

2801/6881
FIGURE 2580

MNARPHKVDGRVVEPKRAVSREDSQRPGAHLTVKKIFVGGIKEDTEEHHLRDYFEQYGKIEVIEIMSDRGSGKKR
GFAFVTDDHDSVDKIVIQYHTVNGHNCEVTKALSKQEMASASSQRGRSGSGNFGGGRGGGFSGNDNFGHGGN
FSGHGGFGGSHGGGGYGGNGDGYNGFGNDGSNFGGGGSYKDFGNYNQSSNFGPMKGGNFGGRSSGPHGGGGQYF
AKPRNQGGYGGSSSSSSSYGSGRRF

2802/6881
FIGURE 2581

AAAGATATTTGTTGGTGGCATTAAAGAAGACACTGAAGAACATCACCTAAGAGATTATTTTGAACAGTATGGAAA
AATTGAAGTGATTGAAATCATGAGTGACCGAGGCAGTGGCAAGAAAAGGGGCTTTGCCTTTGTAACCTTTGACGA
CCATGACTCCGTGGATAAGATTGTCATTTCAGAAATACCATACTGTGAATGGCCACAACGTGAAGTTACAAAAGC
CCTGTCAAAGCAAGAGATGGCTAGTGCTTCATCCAGCCAAAGAGGTCGAAGTGGTTCTGGAAACTTTGGTGGTGG
TCGTGGAGGTGGTTTTTCAGTGGGAACGACAACTTTGGTCATGGAGGAACTTCAGTGGTCATGGTGGCTTTGGTGG
CAGCCATGGTGGTGGTGGATATGGTGGCAATGGGGATGGCTATAATGGATTTGGTAATGATGGAAGCAATTTTGG
AGGTGGTGGGAAGCTACAAGGATTTTGGCAATTACAACAATCAGTCTTCAAATTTTGGACCCATGAAGGGAGGAAA
TTTTGGAGGCAGAAGCTCTGGCCCCCATGGTGGTGGAGGCCAGTACTTTGCAAAGCAGAAGATTTTAATTAGG

2803/6881
FIGURE 2582

TGGATGCAGCTATGAATGCAAGGCCACACAAGGTGGATGGAAGAGTTGTGGAACCAAAGAGAGCCGTCTCAAGAG
AAGATTCTCAAAGACCAGGTGCCCACCTTAAGTGTGAAAAAGATATTTGTTGGTGGCATTAAAGAAGACACTGAAG
AACATCACCTAAGAGATTATTTTGAACAGTATGGAAAAATTGAAGTGATTGAAATCATGAGTGACCGAGGCAGTG
GCAAGAAAAGGGGCTTTGCCTTTGTAACCTTTGACGACCATGACTCCGTGGATAAGATTGTCATTTCAGAAATACC
ATACTGTGAATGGCCACAACCTGTGAAGTTACAAAAGCCCTGTCAAAGCAAGAGATGGCTAGTGCTTCATCCAGCC
AAAGAGGTCGAAGTGGTTCTGGAAACTTTGGTGGTGGTTCGTGGAGGTGGTTTCAGTGGGAACGACAACCTTTGGTC
ATGGAGGAACTTCAGTGGTCATGGTGGGGATGGCTATAATGGATTGGTAATGATGGAAGCAATTTTGGAGGTG
GTGGAAGCTACAAGGATTTTGGCAATTACAACAATCAGTCTTCAAATTTTGGACCCATGAAGGGAGGAAATTTTG
GAGGCAGAAGCTCTGGCCCCCATGGTGGTGGAGGCCAGTACTTTGCAAAACCACGAAACCAAGGTGGCTATG

2804/6881
FIGURE 2583

GGTAGCAGCCATTTAACTGATGTCTTTTTGTATGATTGTTTCATCACTTAATAAAGGATGAATTCAGTTAATGGAG
AATCATCCTCATTTCACCAACTGATAATGCGTCTGTACGGGTACTCCAGTAGTGTCTGAAGAAAATGCCTTGT
CTCCAAATTGCACTAGTACTACTGTTGAAGATCCTCCAGTTCAAGAAATACTGACTTCCTCAGAAAACAATGAAT
GTATTCCTTCTACCAGTGCAGAATTGGAATCTGAAGCTAGAAGTATATTAGAGCCTGACACCTCTAATTCTAGAA
GTAGTTCTGCTTTTGAAGCAGCCAAATCAAGACAGCCAGATGGGTGTATGGATCCTGTACGGCAGCAGTCTGGGA
ATGCCAACACAGAAACCTTGCCATCAGGGTGGGAACAAAGAAAAGATCCTCATGGTAGAACCTATTATGTGGATC
ATAATACTCGAACTACCACATGGGAGAGACCACAACCTTTACCTCCAGGTTGGGAAAGAAGAGTTGATGATCGTA
GAAGAGTTTATTATGTGGATCATAACACCAGAACAACAACGTGGCAGCGGCCTACCATGGAATCTGTCCGAAATT
TTGAACAGTGGCAATCTCAGCGGAACCAATTGCAGGGAGCTATGCAACAGTTTAACCAACGATACCTCTATTTCGG
CTTCAATGTTAGCTGCAGAAAATGACCCTTATGGACCTTTGCCACCAGGCTGGGAAAAAAGAGTGGATTCAACAG
ACAGGGTTTACTTTGTGAATCATAACACAAAAACAACCCAGTGGGAAGATCCAAGAAGTCAAGGCTTACAGAATG
AAGAACCCCTGCCAGAAGGCTGGGAAATTAGATATACTCGTGAAGGTGTAAGGTACTTTGTTGATCATAACACAA
GAACAACAACATTCAAAGATCCTCGCAATGGGAAGTCATCTGT

2805/6881
FIGURE 2584

AGAGTCCGCGCCCTGCGTCCGCGACCAGGAGGATCGGACCTTCGCCTTCGCTGTGCGCCGCCGCCGCCGCCGCCGCGG
CCGTCGGGGCTATTAGTGAAAAGATGGTGGATCGCTTGGCAAACAGTGAAGCAAATACTAGACGTATAAGTATAGT
GGAAAAGTGTGTTTGGAGCAGCTGGTCAACCTTTAACTATACCTGGACGAGTTCCTTATTGGAGAAGGAGTATTGAC
TAAGTTGTGCAGGAAAAAGCCCAAAGCAAGGCAGTTTTTCTTGTTTAAATGATATTCTTGTATATGGCAATATTGT
CATCCAGAAGAAAAAATATAACAAACAACATATTATTCCCCTGGAAAATGTCACATTGATTCCATCAAAGATGA
GGGAGACTTAAGGAATGGATGGCTAATCAAGACACCAACTAAATCTTTTGCAGTTTATGCTGCCACTGCTACGGA
GAAATCAGAATGGATGAATCATATAAATAAATGTGTTACTGATTTACTCTCCAAAAGTGGGAAGACACCCAGTAA
TGAACATGCTGCTGTCTGGGTTCCCTGACTCTGAGGCAACTGTATGTATGCGTTGTCAGAAAGCAAATTCACACC
TGTTAATCGTCGCCACCATTGCCGCAAATGTGGTTTTGTTGTCTGTGGGCCCTGCTCTGAAAAGAGATTTCTTCT
TCCCAGCCAGTCTCTAAGCCTGTGCGGATTTGTGACTTCTGCTATGACCTGCTTTCTGCTGGGGACATGGCCAC
ATGCCAGCCTGCTAGATCAGACTCTTACAGCCAGTCATTGAAGTCTCCTTTAAATGATATGTCTGATGATGATGA
CGATGATGATAGCAGTGACTAAGGACACATTTGGGAGTATTTAATCAGGTGTGGCTATCTGAGAAATCAACTTTG
GGGGAATGTAAGATTCTGAGCTCTCTCTCTGTTTTGTTCTAGCCATGAATTTGCCTGAGAACTTGTAACTAT
GTGCCTCAATATATTCCATAGAAAGTAGGTCCCCCTGCCTTCTCCACTCCTCACACTCTTCTACAGGGATAGGC
TTTTGCAAATATATCAGATAAATTTTTGTTTTCTGTTTATTTTTAGGTTATTTCTTGGAAAGTTGGGAAAAGA
TGTTTGTTTTTAACAGGTCATGTACTACGTTGTTGTTTTCAATTTCTGTTATAAGTAAAACTAAAAGCACAGAATGG
TGGGAAGGGGCTATAATGTGGTTCATTAATAATGTTAGCAGCTTTTTTCTAACCATCCTGTCTAATGGTTAAGA
CACCAGTAACAAAAACACATGATTTGGAAATACTTTGGCTTTTTTCATATACCTAGTGGTGCCTTATCATAATAGC
ACTGTTACATGAAATAAGCCCTACCTTCTTACTTTCTGGTTTGTGAAAAAATACACTGGTGTCTTTTGAAGTG
ATAAATGAGTGTTTATGAATGGGTGTAATTAGGAAATACTTCTCATCTGACAGCTACAAATAACTAAGTTTGGGA
GGTATTTTCACTCTATATGAATAAATATTTTTCCATAAAATAGTTGTGATTATATTTTTGTTTTATATAGGTCCC
AAATTATAATTGTCAAATATATATTTTAAATTAATAAAAGTTGTCATTCTTAGGAATTTGGTTTGAAATTTATCA
GTTATACAGAATTGTCATACTGCATTAGCTTCTACCTTTAGTAAGACATATTTTTTAGGTATAAATCTTATGCT
TTAACATTATTTCTGGATTGAAAATCTTATAAAACCCTTGAAAATAAACAGTCTCTTTTTTACAAAGCCTGTGTT
AGAGCACAGATTTACCTAGGCTTGAAAGATTGGAAGAAATAATATGTAAGAATGGCCTCAAGGCAGACCACTTTA
AGTTTGGCTAGACTTCATATCGTGGAAGTATTGTCTATTTTCAGTGTGAACTATCTTGAATTTGCAAATATAGTG
TTATATTTTATAAAGTTTTGTAAATCCCAAACAATATTTCTATTTTTGTAAACAATTGTATGTATAATCTGTA
TTTGAAATCATTTTGCAATCTATGGAAATAGAGTAGCAATTGCTATTTCTAAATTGTGAACCTTAAAGTCAATCTA
GATTTATTTTGAGAAGTAATTGTTCACTCTTTACTTTTGGAGCAGCCATTAGGTTGAAAGTATATATTTATCATA
TAAACTTGATGCGTTTTGCACTACTCTTTCCATTTATATGCTGCAAACTACAGTCTTTGAAATATGGAAAA
TCAGCAGTCTAAAGTTTTGTTTTAAATTCTAAATTTAAAAATCTTCAAATCTGAATATACCGCAAATGTCATGAG
AAGTTTGATTAGTAACCTGTGATGGAGGATCTTTGGTATCTTACTGTTTGGTTAAGGCACTAATTTTACTTAC
CTATTAGATTTTGAAAGTATCTGAGATATACAAATCTCCCTGTAGGAAATGTGAAAGAAAAGCACAACTAACTA
GGGTTTTTTGTTCAATTTGCTTTTATGATTTTTTTGGTTTGTGTTTAAATATCAGGTGGATTTTGTGTTCTAA
GCAATATATACATAAAATCAACCAACATATCTGAAAAGGATCATGAAACCTGAGAAATGCTAATGGAGATTTGCT
GGTACATAGGAATCTAGCAAATTCAGGAACCAAGGGGAAATGTTGTGAGATAACATTTACATTGTCAACCTTTAT
TGACTTTGTTTTTACAATAAAAAATATTTTACAACCTT

2806/6881

FIGURE 2585

MVDRLANSEANTRRISIVENCFGAAGQPLTIPGRVLIGEVLTCLCRKKPKARQFFLFNDILVYGNIVIQKKKYN
KQHIIPLENTIDSIDEGDLRNGWLIKTPKSFVYAATATEKSEWMNHINKCVTDLLSKSGKTPSNEHAAVWV
PDSEATVCMRCQAKFTPVNRRHCRKCGFVVCGPCSEKRFLLP SQSSKPVRICDFCYDLLSAGDMATCQPARSD
SYSQSLKSPLNDMSDDDDDDSSD

2807/6881
FIGURE 2586

GGCGGGCTCCAGGCGAGGCGGTCTGACGCTCCTGAAAACCTTGCGCGCGCGCTCGCGCCACTGCGCCCGGAGCGATG
AAGATGGTCGCGCCCTGGACGCGGTTCTACTCCAACAGCTGCTGCTTGTGCTGCCATGTCCGCACCGGCACCATC
CTGCTCGGCGTCTGGTATCTGATCATCAATGCTGTGGTACTGTTGATTTTATTGAGTGCCCTGGCTGATCCGGAT
CAGTATAACTTTTCAAGTTCTGAACTGGGAGGTGACTTTGAGTTTCATGGATGATGCCAACATGTGCATTGCCATT
GCGATTTCTCTTCTCATGATCCTGATATGTGCTATGGCTACTTACGGAGCGTACAAGCAACGCGCAGCCTGGATC
ATCCCATTCTTCTGTTACCAGATCTTTGACTTTGCCCTGAACATGTTGGTTGCAATCACTGTGCTTATTTATCCA
AACTCCATTTCAGGAATACATACGGCAACTGCCTCCTAATTTTCCCTACAGAGATGATGTCATGTCAGTGAATCCT
ACCTGTTTGGTCTTATTATTCTTCTGTTTATTAGCATTATCTTGACTTTTAAGGGTTACTTGATTAGCTGTGTT
TGGAAGTCTACCGATACATCAATGGTAGGAACCTCTGATGTCCTGGTTTATGTTACCAGCAATGACACTACG
GTGCTGCTACCCCCGATGATGATGCCACTGTGAATGGTGTGCTGCAAGGAGCCACCGCCACCTTACGTGTCTGCC
TAAGCCTTCAAGTGGGCGGAGCTGAGGGCAGCAGCTTGACTTTGCAGACATCTGAGCAATAGTTCTGTTATTTCA
CTTTTGCCATGAGCCTCTCTGAGCTTGTTTGTGTGCTGAAATGCTACTTTTTAAAATTTAGATGTTAGATTGAAAA
CTGTAGTTTTCAACATATGCTTTGCTGGAACACTGTGATAGATTAAGTGTAGAATTCTTCTGTACGATTGGGGA
TATAATGGGCTTCACTAACCTTCCCTAGGCATTGAAACTTCCCCAAATCTGATGGACCTAGAAGTCTGCTTTTG
TACCTGCTGGGCCCCAAAGTTGGGCATTTTTCTCTCTGTTCCCTCTCTTTTGAAAATGTAAAAATAAAACCAAAAA
TAGACAACTTTTTCTTCAGCCATTCCAGCATAGAGAACAAAACCTTATGGAAACAGGAATGTCAATTGTGTAATC
ATTGTTCTAATTAGGTAAATAGAAGTCCTTATGTATGTGTTACAAGAATTTCCCCCACAACATCCTTTATGACTG
AAGTTCAATGACAGTTTGTGTTTGGTGGTAAAGGATTTTCTCCATGGCCTGAATTAAGACCATTAGAAAGCACCA
GGCCGTGGGAGCAGTGACCATCTGCTGACTGTTCTTGTGGATCTTGTGTCCAGGGACATGGGGTGACATGCCTCG
TATGTGTTAGAGGGTGGAAATGGATGTGTTTGGCGCTGCATGGGATCTGGTGCCCTCTTCTCCTGGATTACATC
CCCACCCAGGGCCCGCTTTTACTAAGTGTCTGCCCTAGATTGGTTCAAGGAGGTCATCCAAGTACTTTATCAA
GTGGAATTGGGATATATTTGATATACTTCTGCCTAACAACATGGAAAAGGGTTTTCTTTTCCCTGCAAGCTACAT
CCTACTGCTTTGAACTTCCAAGTATGTCTAGTCACCTTTTAAAATGTAAACATTTTCAGAAAAATGAGGATTGCC
TTCCTTGATGCGCTTTTACCTTGACTACCTGAATTGCAAGGGATTTTATATATTATGTTACAAAGTCAG
CAACTCTCCTGTTGGTTCATTATTGAATGTGCTGTAAATTAAGTTGTTTGCAATTAAACAAGGTTTGCCAC

2808/6881
FIGURE 2587

MKMVAPWTRFYNSCCLCCHVRTGTILLGVWYLIINAVVLLILLSALADPDQYNFSSSELGGDFEFMDDANMCIA
IAISLLMILICAMATYGAYKQRAAWIIPFFCYQIFDFALNMLVAITVLIYPNSIQEYIRQLPPNFPYRDDVMSVN
PTCLVLIILLFISIILTFKGYLISCVWNCYRYINGRNSSDVLVYVTSNDTTVLLPPYDDATVNGAAKEPPPPYVS
A

2809/6881
FIGURE 2588

CCTTTCTCGTTCCCCGGCCATCTTAGCGGCTGCTGTTGGTTGGGGGCCGTCCCGCTCCTAAGGCAGGAAGATGGT
GGCCGCAAAGAAGACGAAAAAGTCGCTGGAGTCGATCAACTCTAGGCTCCAACTCGTTATGAAAAGTGGGAAGTA
CGTCCTGGGGTACAAGCAGACTCTGAAGATGATCAGACAAGGCAAAGCGAAATTGGTCATTCTCGCTAACAACCTG
CCCAGCTTTGAGGAAATCTGAAATAGAGTACTATGCTATGTTGGCTAAAACCTGGTGTCCATCACTACAGTGGCAA
TAATATTGAACTGGGCACAGCATGCGGAAAATACTACAGAGTGTGCACACTGGCTATCATTGATCCAGGTGACTC
TGACATCATTAGAAGCATGCCAGAACAGACTGGTGAAAAGTTAAACCTTTTCACCTACAAAATTTACCTGCAAAC
CTTAAACCTGCAAATTTTCCTTTAATAAAATTTGCTTGTTTTAAAAACATTGTAAAAAAAAAAAAAAAAAAAAA

2810/6881
FIGURE 2589

MVAAKKT KKSLESINSRLQLVMKSGKYVLGYKQTLKMIROGKAKLVILANNC PALRKSEIEYYAMLAKTG VHHYS
GNNIELGTACGKYRVCTLAIIDPGDSDIIRSMPEQTGEK

2811/6881
FIGURE 2590

GCCCCACTCCCACCGCCAGCTGGAACCCCTGGGGACTACGACGTCCCTCAAACCTTGCTTCTAGGAGATAAAAAGAA
CATCCAGTCA**ATGG**ATAAAAATGAGCTGGTTTCAGAAGGCCAAACTGGCCGAGCAGGCTGAGCGATATGATGACATG
GCAGCCTGCATGAAGTCTGTAACTGAGCAAGGAGCTGAATTATCCAATGAGGAGAGGAATCTTCTCTCAGTTGCT
TATAAAAATGTTGTAGGAGCCCGTAGGTCACTTTGGAGGGTCGTCTCAAGTATTGAACAAAAGACGGAAGGTGCT
GAGAAAAACAGCAGATGGCTCGAGAATACAGAGAGAAAAATTGAGACGGAGCTAAGAGATATCTGCAATGATGTA
CTGTCTCTTTTGGAAAAGTTCTTGATCCCCAATGCTTCACAAGCAGAGAGCAAAGTCTTCTATTTGAAAATGAAA
GGAGATTACTACCGTTACTTGGCTGAGGTTGCCGCTGGTGATGACAAGAAAGGGATTGTCGATCAGTCACAACAA
GCATACCAAGAAGCTTTTGAAATCAGCAAAAAGGAAATGCAACCAACACATCCTATCAGACTGGGTCTGGCCCTT
AACTTCTCTGTGTTCTATTATGAGATTCTGAACTCCCCAGAGAAAGCCTGCTCTCTTGCAAAGACAGCTTTTGAT
GAAGCCATTGCTGAACTTGATACATTAAGTGAAGAGTCATACAAAGACAGCACGCTAATAATGCAATTACTGAGA
GACAACTTGACATTGTGGACATCGGATACCCAAGGAGACGAAGCTGAAGCAGGAGAAGGAGGGGAAAAAT**TAA**CCG
GCCTTCCAACCTTTTGTCTGCCTCATTCTAAAATTTACACAGTAGACCATTGTGCATCCATGCTGTCCACAAAAA
GTTTTTTGTTTACGATTTATGACAGGTTTATGTTACTTCTATTTGAATTTCTATATTTCCCATGTGGTTTTTATG
TTTAATATTAGGGGAGTAGAGCCAGTTAACATTTAGGGAGTTATCTGTTTTTCATCTTGAGGTGGCCAATATGGGG
ATGTGGAATTTTTTATACAAGTTATAAGTGTGGCATAGTACTTTTGGTACATTGTGGCTTCAAAGGGGCCAGTG
TAAACTGCTTCCATGTCTAAGCAAAGAAAAGTGCCTACATACTGGTTTGTCTGGCGGGGAATAAAAGGGATCA
TTGGTTCCAGTCACAGGTGTAGTAATTGTGGGTACTTTAAGGTTTGGAGCACTTACAAGGCTGTGGTAGAATCAT
ACCCCATGGATACCACATAATTAAACCATGTATATCTGTGGAATACTCAATGTGTACACCTTTGACTACAGCTGCA
GAAGTGTTCCTTTAGACAAAGTTGTGACCCATTTTACTCTGGATAAGGGCAGAAACGGTTCACATTCCATTATTT
GTAAAGTTACCTGCTGTTAGCTTTTATTATTTTTGCTACACTCATTTTATTTGTATTTAAATGTTTTAGGCAACC
TAAGAACAAATGTAAAAGTAAAGATGCAGGAAAAATGAATTGCTTGGTATTCATTACTTCATGTATATCAAGCAC
AGCAGTAAAAACAAAACCCATGTATTTAACTTTTTTTTTTAGGATTTTTTGCTTTTGTGATTTTTTTTTTTTTTTT
GATACTTGCCTAACATGCATGTGCTGTAAAAATAGTTAACAGGGAAATAACTTGAGATGATGGCTAGCTTTGTTT
AATGTCTTATGAAATTTTCATGAACAATCCAAGCATAATTGTTAAGAACACGTGTATTAAATTCATGTAAGTGGA
ATAAAAGTTTTATGAATGGACTTTTCACTACTTTCTCTACAGCTTTTCATGTAAATTAGTCTTGGTTCTGAAAC
TTCTCTAAAGGAAATTGTACATTTTTTTGAAATTTATTCCTTATTCCCTCTTGGCAGCTAATGGGCTCTTACCAAG
TTTAAACACAAAATTTATCATAACAAAATACTACTAATATAACTACTGTTTCCATGTCCCATGATCCCTCTCT
TCCTCCCCACCCTGAAAAAAATGAGTTCCTATTTTTTCTGGGAGAGGGGGGGATTGATTAGAAAAAAATGTAGTG
TGTTCCATTTAAAAATTTTGGCATATGGCATTTTCTAACTTAGGAAGCCACAATGTTCTTGGCCCATCATGACATT
GGGTAGCATTAACTGTAAGTTTGTGCTTCCAAATCACTTTTTGGTTTTTAAGAATTTCTTGATACTCTTATAGC
CTGCCCTCAATTTGATCCTTTATTCTTTCTATTTGTGAGGTGCACAAGATTACCTTCCTGTTTTAGCCTTCTGT
CTTGTCACCAACCATTTCTTACTTGGTGGCCATGTACTTGGAAGGAGGCGCATGATCTTTCTGGCTCCACTCAGT
GTCTAAGGCACCCCTGCTTCCTTTGCTTGCTATCCACAGACTATTTCCCTCATCTATTTACTGCAGCAAATCTCT
CCTTAGTTGATGAGACTGTGTTTATCTCCCTTTAAACCCCTACCTATCCTGAATGGTCTGTCATTGTCTGCCTTT
AAAATCCTTCCTCTTTCTTCTCCTCTATTCTCTAAATAATGATGGGGCTAAGTTATACCCAAAGCTCACTTTAC
AAAATATTTCTCAGTACTTTGCAGAAAACACCAACAAAAATGCCATTTTAAAAAAGGTGTATTTTTTCTTTTA
GAATGTAAGCTCCTCAAGAGCAGGGACAATGTTTTCTGTATGTTCTATTGTGCCTAGTACACTGTAAATGCTCAA
TAAATATTGATGATGGGAGGCAGTGAGTCTTGATGATAAGGTGAGAACTGAAATCCC

2812/6881
FIGURE 2591

MDKNELVQKAKLAEQAERYDDMAACMKSVTEQGAELSNEERNLLSVAYKNVVGARRSSWRVSSIEQKTEGAEEK
QQMAREYREKIE TELRDICNDVLSLLEKFLIPNASQAESKV FYLKMGDYYRYLA EVAAGDDKKGIVDQSQQAYQ
EAFEISKKEMQPTHPIRLGLALNFSVFYIEILNSPEKACSLAKTAFDEAIAELDTLSEESYKDSTLIMQLLRDNL
TLWISDTQGDEAEAGEGGEN

2813/6881
FIGURE 2592

TCTCCGGTCCGTGCCTCCAAGATGACAAAGAAAAGAAGGAACAATGGTCGTGCCAAAAAGGGCCGCGGCCACGTG
CAGCCTATTCGCTGCACTAACTGTGCCCCGATGCGTGCCCAAGGACAAGGCCATTAAGAAATTCGTCAATTCGAAAC
ATAGTGGAGGCCGCAGCAGTCAGGGACATTTCTGAAGTGAGCGTCTTCGATGCCTATGTGCTTCCCAAGCTGTAT
GTGAAGCTACATTACTGTGTGAGTTGTGCAATTCACAGCAAAGTAGTCAGGAATCGATCTCGTGAAGCCCGCAAG
GACCGAACACCCCCACCCCGATTAGACCTGCGGGTGCTGCCCCACGTCCCCACCAAAGCCCATGTGAGGAGCT
GAGTTCTTAAAGACTGAAGACAGGCTGTTCTCTGGAGAAAAATAAAATGGAAATTGTACTT

2814/6881
FIGURE 2593

CCTTCTCCCCGGCGGTTAGTGCTGAGAGTGCGGAGTGTGTGCTCCGGGCTCGGAACACACATTTATTATTAAAAA
ATCCAAAAAAATCTAAAAAAATCTTTAAAAAACCCCAAAAAAATTTACAAAAATCCGCGTCTCCCCCGCCGG
AGACTTTTATTTTTTTTCTTCTCTTTTATAAAATAACCCGGTGAAGCAGCCGAGACCGACCCGCCCGCCCGCGG
CCCCGCAGCAGCTCCAAGAAGGAACCAAGAGACCGAGGCCTTCCCGCTGCCCGGACCCGACACCGCCACCCTCGC
TCCCCGCCGGCAGCCGGCAGCCAGCGGCAGTGGATCGACCCCGTTCTGCGGCCGTTGAGTAGTTTTCAATTCCGG
TTGATTTTTGTCCCTCTGCGCTTGCTCCCCGCTCCCTCCCCCGGCTCCGGCCCCCAGCCCGGCAGTCTGCTCT
CCTCCTCTCACGGAAAGGTGCGGGCCTGTGCCCTGCGGGCAGCCGTGCCGAGATGAACCCAGTCCCCCAGCTA
CCCCATGGCCTCGCTCTACGTGGGGGACCTCCACCCCGACGTGACCGAGGCGATGCTCTACGAGAAGTTCAGCCC
GGCCGGGCCCCATCCTCTCCATCCGGGTCTGCAGGGACATGATCACCCGCCGCTCCTTGGGCTACGCGTATGTGAA
CTTCCAGCAGCCGGCGGACGCGGAGCGTGCTTTGGACACCATGAATTTTGATGTTATAAAGGGCAAGCCAGTACG
CATCATGTGGTCTCAGCGTGATCCATCACTTCGAAAAGTGGAGTAGGCAACATATTCATTAATAAATCTGGACAA
ATCCATTGATAATAAAGCACTGTATGATACATTTTCTGCTTTTGGTAACATCCTTTTCATGTAAGGTGGTTTGTGA
TGAAAATGGTTCCAAGGGCTACGGATTTGTACACTTTGAGACGCAGGAAGCAGCTGAAAGAGCTATTGAAAAAAT
GAATGGAATGCTCCTAAATGATCGCAAAGTATTTGTTGGACGATTTAAGTCTCGTAAAGAACGAGAAGCTGAACT
TGGAGCTAGGGCAAAAGAATTACCAATGTTTACATCAAGAATTTTGGAGAAGACATGGATGATGAGCGCCTTAA
GGATCTCTTTGGGCCTGCCTTAAGTGTGAAAGTAATGACTGATGAAAGTGGAATCCAAAGGATTTGGATTTGT
AAGCTTTGAAAGGCATGAAGATGCACAGAAAGCTGTGGATGAGATGAACGGAAAGGAGCTCAATGGAAAACAAAT
TTATGTTGGTTCGAGCTCAGAAAAGGTGGAACGGCAGACGGAACCTTAAGCGCAAATTTGAACAGATGAAACAAGA
TAGGATCACCAGATACCAGGGTGTTAATCTTTATGTGAAAAATCTTGATGATGGTATTGATGATGAACGTCTCCG
GAAAGAGTTTTCTCCATTTGGTACAATCACTAGTGCAAAGGTATGATGGAGGGTGGTTCGAGCAAAGGGTTTTGG
TTTTGTATGTTTCTCCTCCCCAGAAGAAGCCACTAAAGCAGTTACAGAAAATGAACGGTAGAATTGTGGCCACAAA
GCCATTGTATGTAGCTTTAGCTCAGCGCAAAGAAGAGCGCCAGGCTCACCTCACTAACCAGTATATGCAGAGAAT
GGCAAGTGTACGAGCTGTTCCCAACCCTGTAATCAACCCCTACCAGCCAGCACCTCCTTCAGGTTACTTCATGGC
AGCTATCCCACAGACTCAGAACCGTGCTGCATACTATCCTCCTAGCCAAGTTGCTCAACTAAGACCAAGTCCTCG
CTGGACTGCTCAGGGTGCCAGACCTCATCCATTCCAAAATATGCCCGGTGCTATCCGCCAGCTGCTCCTAGACC
ACCATTTAGTACTATGAGACCAGCTTCTTTCACAGGTTCCACGAGTCATGTCAACACAGCGTGTTGCTAACACATC
AACACAGACAATGGGTCCACGTCTGCAGCTGCAGCCGCTGCAGCTACTCCTGCTGTCCGCACCGTTCCACAGTA
TAAATATGCTGCAGGAGTTCGCAATCCTCAGCAACATCTTAATGCACAGCCACAAGTTACAATGCAACAGCCTGC
TGTTTCATGTACAAGGTTCAGGAACCTTTGACTGCTTCCATGTTGGCATCTGCCCCCTCTCAAGAGCAAAGCAAAT
GTTGGGTGAACGGCTGTTTCTCTTATTCAAGCCATGCACCCCTACTCTTGCTGGTAAATCACTGGCATGTTGTT
GGAGATTGATAATTGAACTTCTTCATATGCTCGAGTCTCCAGAGTCACTCCGTTCTAAGGTTGATGAAGCTGT
AGCTGTACTACAAGCCCACCAAGCTAAAGAGGCTGCCAGAAAGCAGTTAACAGTGCCACCGGTGTTCCAACCTGT
TTAAATTTGATCAGGGACCATGAAAAGAACTTGTGCTTCACCGAAGAAAAATATCTAAACATCGAAAACTTAA
ATATTATGGAACAAAAACATTGCAAAATATAAAATAAATAAAAAAAGGAAAGGAACTTTGAACCTTATGTACCG
AGCAAATGCCAGGTCTAGCAAACATAATGCTAGTCCTAGATTACTTATTGATTTAAAAACAAAAAACACAAAA
ATAGTAAATATAAAAACAAATTAATGTTTTATAGACCCTGGGAAAAAGAATTTTCAGCAAAGTACAAAAATTTA
AAGCATTCCTTTCTTTAATTTTGTAATTTCTTTACTGTGGAATAGCTCAGAATGTCAGTTCTGTTTTAAGTAACAG
AATTGATAACTGAGCAAGGAAACGTAATTTGGATTATAAAATCTTGCTTTAATAAAATTCCTTAAACAGTG

2815/6881
FIGURE 2594

MNPSAPSYPMASLYVGD LHPDVTEAMLYEKFSPAGPILSIRVCRDMITRRSLGYAYVNFQQPADAERALDTMNF
VIKGPVRIMWSQRDPSLRKSGVGNIFIKNLDKSIDNKALYDTFSAFGNILSCKVVCDENGSKGYGFVHFETQEA
AERAIEKMNGMLLNDRKVFVGRFKSRKEREAE LGARAKEFTNVYIKNFGEDMDDERLKDLFGPALS VKVMTDESG
KSKGFGFVSFERHEDAQKAVDEMNGKELNGKQIYVGRAQKKVERQTELKRKFQMKQDRITRYQGVNLYVKNLDD
GIDDERLRKEFSFPGTITSAKVMMEGGRSKGFGFVCFSSPEEATKAVTEMNGRIVATKPLYVALAQRKEERQ AHL
TNQYMQRMASVRAVPNPVINPYQPAPPSGYFMAAIPQTQNRAAYYPPSQVAQLRPSRWTAQGARPHPFQNMPGA
IRPAAPRPFFSTMRPASSQVPRVMSTQRVANTSTQTMGPRPAAAAAATPAVRTVPQYKYAAGVRNPQQHLNAQP
QVTMQQPAVHVQGQEPLTASMLASAPPQEQKQMLGERLFLIQAMHPTLAGKITGM LLEIDNSELLHMLESPEL
RSKVDEAVAVLQAHQAKEAAQKAVNSATGVPTV

2816/6881
FIGURE 2595

GCCATTGCCTTGAGTGAGTGTGCCGCTCTCCAGCCCCTTTGAACGCTCCCCGCAGCCACCGCCACCCATTGGAAT
GGCCAACAGGGGACCTGCATTATGGCCTGAGCCAGGAGGTGCAGCAGAAGATTGAGAAACAGTATGATGCAGATC
TGGAGCAGATCCTGATCCAGTGGATCACCACCCAGTGCCGAAAGGATGTGGGCCGGTCCCAGCCTGGACGCGAGA
ACTTCCAGAACTGGCTCAAGGATGGCACGGTGTATGTGAGCTCATTAATGCACTGTACCCCCAAGGGGCAGGTCC
CAGTAAAGAAGATCCAGGCCTCCACCATGGCCTTCAAGCAGATGGAGAAGATCTCTCAGTTCCCTGCAAGCAGCTG
AGCGCTATGGCATTAAACACCACTGACATCTTCCAAACTGTGGACCTCTGGGAAGGAAAGAACATGGCCTGTGTGC
AGCGGACGCTGAGGAATCTGGGTGGGTGGCAGTAGCCTGGGATGATGGGCTCTTCTCTGGGGATCCCACTGGT
TCCCTAAGAAATCCAAGGAGAATCCTCGGAACTTCTCGGATAACCAGCTGCAAGAGGGCAAGAACGTGATCGGGC
TACAGATGGGGGGCATCTCAGGCAGGCATGACTGGCTACTGGATGCCACACCAGATCCTTTGATCCCACCCAGG
CCTTGCCCTGCCCTCCCACGAGTGGTTAATATACATGTAGATATATATTTTAGCAGTGACATTCCCAGAGAGCC
CCAGAGCTCTTAAGCTCCCTTCTGTGAGGGTGAGGGGTTGAGCCTGTCCTATCACCTCTGAGGTGCCTGTTGGCA
GCCTCTCCCCCGTGCTTACTAATACATTCCCCCTCCCCATACCCATCAAACTGGACCAACTGGCCTCTTCTTTTC
CCCTGGGATCAAAATTTAGGGGCCTCAGTCCCTCACCGCCATGCCCTGGCCTGTTCTGTCTCTCCTTTTTTCCCCC
TGGCCTGTTCTGTCTCTGAGCTCTGTGCCCTCCGTTTATTCCATGGCTGGGAGTCAGTGATGCTGCCTCTGCCTT
CTGATGCTGGACTGGCCTTGCTTCTACAAGTATGCTTCTCCACAGCTGTGGCTGCAGGAACCTAATTTATAGGG
AGGAGCCTGTGGCAGCTGCTGCCCCAGCCACAGCTGCACTGACTGTGCTCACACACATCTGGGGCAGCCTTCCC
TGGCAGAGGCCCTCATGGCTTCTCATTTTCCATTCCCTTCACTGTGGCTAAGGGGTGGGGTGAGGGGACGGAGAG
GGAGGGCTGCCTACCATGGTCTGGGGCTTGAGGAAGATGAGTTTGTGCGATTTAAAGAATTTGTCATT

2817/6881
FIGURE 2596

GGACTCCCTTTTCTTTGGCAAGATGGCGGAGTACGACTTGACTACTCGCATCGCGCACTTTTGGATCGGCATCT
AGTCTTTCCGCTTCTTGAATTTCTCTCTGTAAAGGAGATATATAATGAAAAGGAATTATTACAAGGTAAATTGGA
CCTTCTTAGTGATAACCAACATGGTAGACTTTGCTATGGATGTATACAAAAACCTTTATTCTGATGATATTCTCA
TGCTTTGAGAGAGAAAAGAACCACAGTGGTTGCACAACTGAAACAGCTTCAGGCAGAAACAGAACCAATTGTGAA
GATGTTTGAAGATCCAGAACTACAAGGCAAATGCAGTCAACCAGGGATGGTAGGATGCTCTTTGACTACCTGGC
GGACAAGCATGGTTTTAGGCAGGAATATTTAGATACACTCTACAGATATGCAAAATTCAGTACGAATGTGGGAA
TTACTCAGGAGCAGCAGAATATCTTTATTTTTTTAGAGTGCTGGTTCCAGCAACAGATAGAAATGCTTTAAGTTC
ACTCTGGGGAAAGCTGGCCTCTGAAATCTTAATGCAGAATTGGGATGCAGCCATGGAAGACCTTACACGGTTAAA
AGAGACCATAGATAATAATTCTGTGAGTTCTCCACTTCAGTCTCTTCAGCAGAGAACATGGGCTCATTCACTGGTC
TCTGTTTGTCTTCAATCACCCCAAAGGTCGCGATAATATTATTGACCTCTTCCTTTATCAGCCACAATATCT
TAATGCAATTCAGACAATGTGTCCACACATTCTTCGCTATTTGACTACAGCAGTCATAACAAACAAGGATGTTTCG
AAAACGTCGGCAGGTTCTAAAAGATCTAGTTAAAGTTATTCAACAGGAGTCTTACACATATAAAGACCCAATTAC
AGAATTTGTTGAATGTTTATATGTTAACTTTGACTTTGATGGGGCTCAGAAAAAGCTGAGGGAATGTGAATCAGT
GCTTGTGAATGACTTCTTCTTGGTGGCTTGCTTGAGGATTTTATTGAAAATGCCCCGTCTTTCATATTTGAGAC
TTTCTGTGCGATCCACCAGTGTATCAGCATTAAACATGTTGGCAGATAAATTGAACATGACTCCAGAAGAAGCTGA
AAGGTGGATTGTAAATTTGATTAGAAATGCAAGACTGGATGCCAAGATTGATTCTAAATTAGGTTCATGTGGTTAT
GGGTAACAATGCAGTCTCACCTATCAGCAAGTGATTGAAAAGACCAAAAAGCCTTTCCCTTTAGAAGCCAGATGTT
GGCCATGAATATTGAGAAGAACTTAATCAGAATAGCAGGTGAGAGGCTCCTAACTGGGCAACTCAAGATTCTGG
CTTCTACTGAAGAACCATAAAGAAAAGATGAAAAAAAAAACTATCAAAGAAAAGATGAAATAATAAACTATTATA
TAAAGGGTGACTTACATTTTGGAAACAACATATTACGTATAAATTTGAAGAATTGGAATAAAATTGATTCATT
TAAAAAAAAA

2818/6881
FIGURE 2597

MAEYDLTTRIAHFLDRHLVFPLLEFLSVKEIYNEKELLQGKLDLLSDTNMVDFAMDVYKNLYSDDIPHALREKRT
TVVAQLKQLQAETEPIVKMFEDPETTRQMOSTRDGRMLFDYLADKHGFRQEYLDTLRYAKFYECGNYSGAAEY
LYFFRVLVPATDRNALSSLWGKLASEILMQNWDAAEDLTRKIDNNSVSSPLQSLQQRTWLIHWSLFVFFNH
PKGRDNIIDLFLYQPQYLNAIQTMCPHILRYLTAVITNKDVRKRRQVLKDLVKVIQQESYTYKDPITEFVECLY
VNFDFDGAQKKLRECESVLVNDFFLVACLEDFIENARLFIETFCRIHQCSINMLADKLNMTPEEAERWIVNLI
RNARLDAKIDSKLGHVVMGNNAVSPYQQVIEKTKSLSFRSOMLAMNIEKKLNQNSRSEAPNWTQDSGFY

GAAAGATGGCGTCCCGCAAGGAAGGTACCGGCTCTACTGCCACCTCTTCCAGCTCCACC CGCCGGCGCAGCAGGGA
AAGGCCAAAGGCCAAAGGCGGCTCGGGAGATTTCAGCCGTGAAGCAAGTGCAGATAGATGGCCTTGTGGTATTAAAGA
TAATCAAACATTATCAAGAAGAAGGACAAGGAAGTGAAGTTGTTCAAGGAGTGCTTTTGGGTCTGGTTGTAGAAG
ATCGGCTTGAAATTACCAACTGCTTTTCCTTTCCCTCAGCACACAGAGGATGATGCTGACTTTGATGAAGTCCAAT
ATCAGATGGAATGATGCGGAGCCTTCGCCATGTAAACATTGATCATCTTCACGTGGGCTGGTATCAGTCCACAT
ACTATGGCTCATTTCGTTACCCGGGCACTCCTGGACTCTCAGTTTAGTTACCAGCATGCCATTGAAGAATCTGTCTG
TTCTCATTTATGATCCCATAAAACTGCCCAAGGATCTCTCTACTAAAGGCATACAGACTGACTCCTAAACTGA
TGGAAGTTTGTAAAGAAAAGGATTTTTTCCCTGAAGCATTGAAAAAGCAAATATCACCTTTGAGTACATGTTTG
AAGAAGTGCCGATTGTAATTAATAAATTCACATCTGATCAATGTCTTAATGTGGGAAC TTGAAAAGAAGTCAGCTG
TTGCAGATAAACATGAATTGCTCAGCCTTGCCAGCAGCAATCATTG GGGGAAGAATCTACAGTTGCTGATGGACA
GAGTGGATGAAATGAGCCAAGATATAGTTAAATACAACACATACATGAGGAATACTAGTAAACAACAGCAGCAGA
AACATCAGTATCAGCAGCGTCGCCAGCAGGAGAATATGCAGCGCCAGAGCCGAGGAGAACCCCGCTCCCTGAGG
AGGACCTGTCCAAACTCTTCAAACCACCACAGCCGCTGCCAGGATGGA CTGCTGCTCATTGCAGGCCAGATAA
ACACTTACTGCCAGAACATCAAGGAGTTCAGTCCCCAAAAC TTAGGCAAGCTCTTCATGGCCCAGGCTCTTCAAG
AATACAACAAC TAAAGAAAAGGAAGTTTCCAGAAAAGAAGTTAACATGAACTCTTGAAGTCACACCAGGGCAACTC
TTGGAAGAAATATATTTGCATATTGAAAAGCACAGAGGATTTCTTTAGTGTCATTGCCGATTTTGGCTATAACAG
TGCTTTCTAGCCATAATAAAATAA
AAAAA

2820/6881
FIGURE 2599

MASRKEGTGSTATSSSSTAGAAGKGKGKGGSGDSAVKQVQIDGLVVLKIIKHYQEEGQGTEVVQGVLLGLVVEDR
LEITNCFPPQHTEDDADFDEVQYQMEMMRSLRHVNIDHLHVGWYQSTYYGSFVTRALLDSQFSYQHAIEESVVL
IYDPIKTAQGSLSLKAYRLTPKLMEVCCEKDF SPEALKKANITFEYMFEEVP IVIKNSHLINVL MWELEKKS AVA
DKHELLSLASSNHLGKNLQLLMDRVD EMSQDIVKYNTYMRNTSKQQQKHQYQRRQ QENMQRQSRGEPPLPEED
LSKLFKPPQPPARMDSLLIAGQINTYCQNIKEFTAQNLGKLFMAQALQEYNN

2821/6881
FIGURE 2600A

AGTGAATCGGAAAGGAGGCGCCGGCTGTGGCGGCGGGGAGCTGCTCGGAAGCTACACCTCGCAAGGGCTCCCC
CCTTTCCCCACCCCTCCCCGACCTTTTCCCTCCCCGGGCCACCCAGCCCGCCCAACTCCCAGCGGAGAGCA
AGGTTTTCTTCTGTTTTCATAGCCAGCCAGAACAATGTTCTACGCACATTTTGTCTCAGTAAAGAGGGCCTCT
GGCCAAAATTTGGCTAGCGGCCCATTTGGGATAAGAAGCTAACCAAAGCCCATGTGTTTCAGTGTAAATTTAGAGAG
CAGCGTGGAGAGTATCATCTCACCAAAGGTGAAAATGGCATTACGGACATCAGGACATCTCTTACTGGGAGTAGT
TCGAATCTATCACAGGAAAGCCAAATACCTTCTTGCAGACTGTAATGAAGCATTCTTAAGATAAAGATGGCTTT
TCGGCCAGGTGTGGTTGACCTGCCTGAGGAAAATCGGGAAGCAGCTTATAATGCCATTACTTTACCTGAAGAATT
TCATGACTTTGATCAGCCACTGCCTGACTTAGATGACATCGATGTGGCCCAGCAGTTCAGCTTGAATCAGAGTAG
AGTGGAGAGATAACCATGAGAGAAGAAGTTGGGAACATCAGTATTTTACAAGAAAATGATTTTGGTGATTTTGG
AATGGATGATCGTGAGATAATGAGAGAAGGCAGTGCTTTTGGAGATGACGACATGTTAGTAAGCACTACTACTTC
TAACCTCCTATTAGAGTCTGAACAGAGCACCAGCAATCTGAATGAGAAAATTAACCATTTAGAATATGAAGATCA
ATATAAGGATGATAATTTTGGAGAAGGAAATGATGGTGAATATTAGATGACAACTTATTAGTAATAATGATGG
CGGTATCTTTGATGATCCCCCTGCCCTCTCTGAGGCAGGGGTGATGTTGCCAGAGCAGCCTGCACATGACGATAT
GGATGAGGATGATAATGTATCAATGGGTGGGCCTGATAGTCTGATTGAGTGGATCCCGTTGAACCAATGCCAAC
CATGACTGATCAAACAACACTTGTTCAAATGAGGAAGAAGCATTTCATTGGAGCCTATTGATATAACTGTTAA
AGAAACAAAAGCCAAGAGGAAGAGGAAGCTAATTGTTGACAGTGTCAAAGAGTTGGATAGCAAGACAATTAGAGC
CCAACCTTAGTGATTATTCAGATATTGTTACTACTTTGGATCTGGCACCGCCCAAGAAATGATGATGTGGAA
AGAGACAGGAGGAGTAGAAAACTGTTTTCTTTACCTGCTCAGCCTTTGTGGAATAACAGACTACTGAAGCTCTT
TACACGCTGTCTTACACCGCTTGTACCAGAAGACCTTAGAAAAAGGAGGAAAGGAGGAGAGGCAGATAATTTGGA
TGAATTCCTCAAAGAATTTGAAAATCCAGAGGTTCTTAGAGAGGACCAGCAACAGCAGCATCAGCAGCGTGATGT
TATCGATGAGCCCATTATTGAAGAGCCAAGCCGCCTCCAGGAGTCAGTGATGGAGGCCAGCAGAACAAACATAGA
TGAGTCAGCTATGCCTCCACCACCACCTCAGGGAGTTAAGCGAAAAGCTGGACAAATTGACCCAGAGCCTGTGAT
GCCTCCTCAGCAGGTAGAGCAGATGGAATACCACCTGTAGAGCTTCCCCAGAAGAACTCCAAATATCTGTCA
GCTAATACCAGAGTTAGAACTTCTGCCAGAAAAAGAGAAGGAGAAAGAGAAGGAAAAAGAGATGATGAAGAGGA
AGAGGATGAAGATGCATCAGGGGGCGATCAAGATCAGGAAGAAAGAGATGGAACAAAAGGACTCAGCAGATGCT
TCATGGTCTTCAGCGTGCTCTTGCTAAAACCTGGAGCTGAATCTATCAGTTTGCTTGAGTTATGTGAAAATACGAA
CAGAAAAACAAGCTGCCGCAAAGTTCTACAGCTTCTTGTTCTTAAAAAGCAGCAAGCTATTGAGCTGACACAGGA
AGAACCGTACAGTGACATCATCGCAACACCTGGACCAAGGTTCCATATTATATAGGAGCTAGAAGCATTATAGC
TAGTGTTTGATTCACTAGTGCTTACAAATTGCCCCCATGTGTAGGGGACACAGAACCCTTTGAGAAAACTTAGAT
TTTTGTCTGTACAAAGTCTTTGCCCTTTTCTTCTTCATTTTTTCCAGTACATTAAATTTGTCAATTTTCATCTT
TGAGGGAAACTGATTAGATGGGTTGTGTTTGTTCTGATGGAGAAAACAGCACCCCAAGGACTCAGAAGATGAT
TTTAACAGTTTCAAGACAGATGTGTGCAATATTGGTGCATGTAATAATGTTGAGTGGCAGTCAAAAGTCATGATTT
TTATCTTAGTTCTTCATTACTGCATTGAAAAGGAAAACCTGTCTGAGAAAATGCCTGACAGTTTAAATTTAAACT
ATGGTGTAAAGTCTTTGACAAGAAAAAAAACAAACAAACACTTCTTTCCATCAGTAACACTGGCAATCTTCCTGT
TAACCACTCTCCTTAGGGATGGTATCTGAAACAACATGGTCACCTCTTGAGATTTCGTTTTAAGTGTAATTCCA
TAATGAGCAGAGGTGTACGCGAAATTGTGTTATGACTGATAGCCTTCAGCTACAAAAGATAGGACTGACCTGGT
TTAAAGTGTTCTATTTTGTAAATCATTCCATTTGAGTCTTTCTGATGAACCTTGGCTATACTGAAATCTGTTATTT
TAGTGAGGCTCCAAATGAGCAAAGCTAGGCCTGATTAGAGTAGAGTGACTATTAAAAAACATAACTTTCTAGGA
GCTATAAATCAAAGTTTTAAAAAGATGTTTGGATATATTTGAGTATTCGATCATGAAAACAGAAATTGCCCTGC
CTACTACAAGGACAGACTGATGGGAAATTATGCACCTGGTCAACTTAGCTTTTAAAGCAGACGATGCTGTAAAAAC
TAACGGCTTCTCTGATATTTATTGTAAGTTTTAGTACTGATCTCCTTTTCCAGTGCTGCACACTCCTGGTTTTGA
ACTTTAATAGCGTTGCAACGAAATCCTATATCCAGTTTCTGTAAATTTAATTGAAGAAAAATACATCCAAATAAA
GACTTTATTATTAACAGACCAGATAGCATCAGAAATCATGTGACTGTTATGATTATCAGAATATGTCTTAACTTT
TTAGGGCAAAGTTAACTGAAAGTTCTAGCTTAAGTGTTGAAACTTTTGTGGGAAAAAAAATCACTTTTGAAA
CTCAGACTTCAGTGTATACCCAATAATTTAAATTTATGTGAAATGTTTTAAATTTGTGAACCTCGTAATTACTGTT
TTAATGATTGAGTTTCTTCAGAGTGGTAATTGTATAAAATTGCTATTGCAGCTTTATATTCAATATGATGTGCTT
GTAAACCAAGGAGTTTTCCCGTTTTGTAAAAGACATTGTAGATAATTGAATGTTTGATTTTAGAAAGGTCATTA
GTTTCTTGTTACACATTTTGTAGTCTGGTTTTTGTGCTTATCGGGTTAATATTGTTCTTGAAAATAGTTGAT

2822/6881
FIGURE 2600B

GCTATGTTATGTATAACTTTTCTAATAAAAGTTGTGTTATAAGCTGT

2823/6881
FIGURE 2601

MFYAHFVLSKRGPLAKIWLAHWDDKLTAKHVFEKNLESSVESIISPVKMALRTSGHLLLGVVRIYHRKAKYLL
ADCNEAFIKIKMAFRPGVVDLPEENREAAYNAITLPEEFHDFDQPLPDLDIDVAQQFSLNQSRVEEITMREEVG
NISILQENDFGDFGMDREIMREGSAFEDDDMLVSTTTSNLLESEQSTSNLNEKINHLEYEDQYKDDNFGEGND
GGILDDKLI SNNDGGIFDDPPALSEAGVMLPEQPAHDDMDDEDDNVSMGGPDSPDSVDPVEPMPMTMTDQTTLVPNE
EEAFALP IDITVKETKAKRKRKLIVDSVKELDSKTIRAQLSDYSDIVTTLDLAPPTKKLMMWKETGGVEKLFSL
PAQPLWNNRLLKLFTRCLTPLVPEDLRKRRKGGEADNLDEFLEFENPEVPREDQQQQHQQRDVIDEPIIEEPSR
LQESVMEASRTNIDESAMPPPPQGVKRKAGQIDPEPVMPPQQVEQMEIPPVELPPEEPPNICQLIPELELLPEK
EKEKEKEKEDDEEEDEEDASGGDQDQEERRWNKRITQMLHGLQALAKTGAESISLLELCRNTNRKQAAKFYSF
LVLKKQQAIELTQEEPYSDIATPGPRFHI I

2824/6881
FIGURE 2602

GGCGGCGGCGGCAGGAGCCCGGGAGGCGGAGGCGGGAGGCGGCGGCGGCGGCGGAGACGCAGCAGCGGCAGCGG
CAGC**ATG**TCGGCCGGCGGAGCGTCAGTCCCGCCGCCCCGAACCCCGCGTGTCTTCCCGCCGCCCGGGTCAC
CCTGCCCCGCGGCCCCGACATCCTGEGGACCTACTCGGGCGCCTTCGTCTGCCTGGAGATTCTGTTGGGGGTCT
TGTCTGGATTTTGGTTGCCTCCTCCAATGTTTCTCTACTCTACTACAAGGATGGGTCATGTTTGTGTCCGTGAC
AGCGTTTTTCTTTTCGCTCCTCTTTCTGGGCATGTTCTCTCTGGCATGGTGGCTCAAATTGATGCTAACTGGAA
CTTCTGGATTTTGCCTACCAATTTTACAGTATTTGTCTTCTATTTTGGAGCCTTTTTATTGGAAGCAGCAGCCAC
ATCCCTGCATGATTTGCATTGCAATACAACCATAACCGGGCAGCCACTCCTGAGTGATAACCAGTATAACATAAA
CGTAGCAGCCTCAATTTTTGCCTTTATGACGACAGCTTGTTATGGTTGCAGTTGGGTCTGGCTTTACGAAGATG
GCGACCGT**AA**CACTCCTTAGAAACTGGCAGTCGTATGTTAGTTTCACTTGCTACTTTATATGTCTGATCAATTT
GGATACCATTTTGTCCAGATGCAAAAACATTCCAAAAGTAATGTGTTTAGTAGAGAGAGACTCTAAGCTCAAGTT
CTGGTTTATTTTCATGGATGGAATGTTAATTTTATTATGATATTAAAGAAATGGCCTTTTATTTTACATCTCTCCC
CTTTTTCCCTTTCCCCCTTTATTTTCTCCTTTTCTTTCTGAAAGTTTCTTTTATGTCCATAAAATACAAATAT
ATTGTTTCATAAAAAATTAGTATCCCTTTTGTGGTTGCTGAGTCACCTGAACCTTAATTTTAATTGGTAATTAC
AGCCCCATAAAAAAACACATTTCAAATAGGCTTCCCACTAAACTCTATATTTAGTGTAACCAGGAATTGGCAC
ACTTTTTTTAGAATGGGCCAGATGGTAAATATTTATGCTTTCAGGTCCATACAGTCTCTGTGCACAACCTATTCAGT
TCTGCTAGTATAGCGTGAAAGCAGCTATACACAATACAGAAATGAATGAGTGTGGTTATGTTCTAATAAACTTA
TTTATAAAAAACAAGGGGAGGCTGGGTTTAGCCTGTGGGCCATAGTTTGTCAACCACTGGTGTAACCTTAGTTA
TATATGATCTGCATTTTCTTGAAGTATCATTGAAAACCTATAAACCTAACAGAAAAAGCCACATAATTTTAGTG
TCATTATGCAATAATCACATTGCCTTTGTGTTAATAGTCAAATACTTACCTTTGGAGAATACTTACCTTTGGAGG
AATGTATAAAATTTCTCAGGCAGAGTCCTGGATATAGGAAAAAGTAATTTATGAAGTAAACTTCAGTTGCTTAAT
CAAATAATGATAGTCTAACTGAGCAAGATCCTCATCTGAGAGTGCTTAAATGGGATCCCCAGAGACCATT
AACCAATACTGGAAGTGGTATCTAGCTACTGATGCTTACTTTGAGTTTATTTATGCTTCAGAATACAGTTGTTT
GCCCTGTGCATGAATATACCCATATTTGTGTGTGGATAIGTGAAGCTTTTCCAAATAGAGCTCTCAGAAGAATTA
AGTTTTTACTTCTAATTATTTTGCATTACTTTGAGTTAAATTTGAATAGAGTATTAAATATAAAGTTGTAGATTC
TTATGTGTTTTTGTATTAGCCAGACATCTGTAATGTTTTTGCAGTGGTGACAGACAAAATCTGTTTTAAATCA
TATCCAGCACAAAACTATTTCTGGCTGAATAGCACAGAAAAGTATTTTAACCTACCTGTAGAGATCCTCGTCAT
GGAAAGGTGCCAACTGTTTTGAATGGAAGGACAAGTAAGAGTGAGGCCACAGTTCCCACCACACGAGGGCTTTT
GTATTGTTCTACTTTTTTTCAGCCCTTTACTTTCTGGCTGAAGCATCCCCTTGGAGTGCCATGTATAAGTTGGGCTA
TTAGAGTTCATGGAACATAGAACAACCATGAATGAGTGGCATGATCCGTGCTTAATGATCAAGTGTTACTTATCT
AATAATCCTCTAGAAAGAACCCTGTTAGATCTTGGTTTGTGATAAAAATATAAAGACAGAAGACATGAGGAAAAA
CAAAAGGTTTGAGGAAATCAGGCATATGACTTTTACTTAAACATCAGATCTTTTCTATAATATCCTACTACTTTG
GTTTTCTAGCTCCATACCACACACCTAAACCTGTATTATGAATTACATATTACAAAGTCATAAATGTGCCATAT
GGATATACAGTACATTTCTAGTTGGAATCGTTTACTCTGCTAGAATTTAGGTGTGAGATTTTTTGTTCAGGTA
TAGCAGGCTTATGTTTGGTGGCATTAAATTGGTTTCTTTAAATGCTTTGGTGGCACTTTTGTAAACAGATTGCT
TCTAGATTGTTACAAACCAAGCCTAAGACACATCTGTGAATACTTAGATTGTAGCTTAATCACATTCTAGACTT
GTGAGTTGAATGACAAAGCAGTTGAACAAAAATTATGGCATTAAAGAATTTAACATGTCTTAGCTGTAAAAATGA
GAAAGTGTGGTTGGTTTTTAAATCTGGTAACCTCATGATGAAAAGAAATTTATTTTATACGTGTTATGTCTCTA
ATAAAGTATTCATTGATAAAAAAAAAAAAAA

2825/6881
FIGURE 2603

MSAGGASVPPPPNPAVSFPPPRVTLPAAGPDILRTYSGAFVVCLEILFGGLVWILVASSNVPLPLLQGWVMFVSVTA
FFFSLFLGMFLSGMVAQIDANWNFLDFAYHFTVFVFYFGAFLLEAAATSLHDLHCNTTITGQPLSDNQYNINV
AASIFAFMTTACYGCSLGLALRRWRP

2826/6881
FIGURE 2604

GGCGCGCTTTCAAACGCTCAGGTTTCCTACCTTCCGGCTGCTTGGGAACTTCTTTCTTGCCCGCCAAGCCCGCAG
CCACCCGGGCGCGGCGGGACTCCTAGACCCGGCGCTGCGATGAAGAGGACCCGCGACGAGGTGGATGCGACGCTG
CAGATCGCCAAGCTGAATGCGGCCGAGCTGCTGCCGGCGGTGCACTGCCTGGGCTTCGGCCCTGGGGCCAGCGGC
GCTGCAGCCGCGACTTCTGCCTGCTGGAGCTGGAGCCACGCTGTGCCAGCAGCTGGAGGATGGACACAGTCTT
GTGATTCGTGGTGATAAAGACGAGCAAGCTGTGCTGTGCAGTAAAGACAAAACATACGACTTGAAGATAGCAGAC
ACTTCCAATATGTTGCTTTTCATTCCTGGTTGTAAACTCCGGACCAGTTGAAGAAGGAAGATTCACACTGTAAC
ATTATTCACACTGAGATCTTTGGTTTTCTAATAATTATTGGGAATTAAGAAGACGTAGACCCAAGTTAAAGAAG
CTAAAGAACTTTTGATGGAAAATCCATATGAAGGACCTGACAGTCAAAAAGAGAAGGATTCAAATAGCTCAAAA
TATACAACCTGAAGATTTGCTTGATCAAATTCAGGCAAGTGAGGAAGAAATAATGACCCAATTACAAGTTCTAAAT
GCCTGTAAGATTGGAGGTTATTGGAGGATTCTTGAATTTGATTATGAGATGAAACTTCTGAATCATGTAACCTCAG
CTTGTGGATTCTGAATCATGGTCTTTTGGTAAAGTTCTTTGAACACATGCCCTTCAGGAACTCGGACCATTGGAG
CCAGAGGAAATGATAGAACACTGTCTTAAATGTTATGGGAAGAAATATGTAGATGAAGXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXAGCAGCAGCACGAATGCTACTTCAGAATGCGGTGAAATTCATCTCGCTGAG
TTTCAAGAAGTGTGGCAGCAGAGTGTCTGAAGGAATGGTAACTAGTCTTGATCAGCTTAAGGGTTTAGCGCTG
GTGGATAGACACTCGAGACCAGAAATCATATTTTGTCTGAAAGTAGATGATTTACCTGAGGATAATCAGGAACGT
TTTAATAGCCTTTTCTCTCTAAGGGAGAAGTGGACAGAAGAAGATATTGCTCCATATATTCAAGATTTGTGTGGA
GAGAAGCAAACCATAGGTGCATTACTCACTAAATATTCTCATTCTTCGATGCAAAATGGTGTTAAAGTTTATAAT
TCGAGAAGACCCATTTCTTAAAAGAACAACGGTCTTTTCTTCAGGACTCAAGTTGCTTTATAAAGTTGCTGGATA
GAAGAAAAATAACTTGTACTTTTATTCTGACTTTTAGAAACCTAGTCTTCTAAGGCATTTTCTCCTCATCTTA
AGCATTTTGAAACTACTGTTATTCTTAAATGTTATAGGATGTAGCTTTAAAATTATATTTGTACTATGTACACA
GTGTAAACAAGGACAAAAGAATTCTTTCCTATATTATGTCTGAGGTCTCTATGATTTATTTAAAGTTTGGCTTTT
TATATTTAAATGTCAATTTCTTTACTTAGGATTTGATGTTCTAATCATTAAATACACTTAAGTTTTCAGAGAACT
AAATAGTAATAGTTTCATAGAAGAGAACTATTTATTCACTTAAATATCATTCTCAAGTGAGTGAGTCCCTCT
ACTTTTAGCCTTCCACCCAACTGGAAGCCTCTAGGTGCTATCAATTATTTATATCCATCGTTTACATCCATGAA
ATTGGCTGAATAATTACTCCTCTGCCTGGCGTAGACATGCGCTTTGGGAAAAAACGAGTTTATAATCCTATAAT
GAAGAATACTGGCACAGGCAATGCTCACTCGAAAACCTCAAGTAATTTCTAGTTGGTTTTGGAATGCTTGATAAA
GTTCCTTTACAGCTTTATTTTCTGATTTGTTTTGGTTTAGATCAAAGTTCAAATTAATTTAACTTAGCTAATG
AACTCATCACCAGGACAGTTGGAGGGGGTAGGCCGAGGTTAAATGGTCCACGTTTCAAAAATGTTAATGGCTAAT
CCATAATTAAAGAAGGTTTAACTGTTACTGAAGTTTACAAGTTTTATTGTCATGAACATGAAATACAAACACGAT
GGCTTCGAAATGCTTTCAATAAATGTTTCTGCATTT

2827/6881
FIGURE 2605

ACGCCCTATACAACCTTGGCTTCACATACTTTTACACTAACTTTATATGATTTTTTAAAACTGGTCTGATCGGACT
TCTCGTCCTGGGACACTGTTTACTGGAGTCTGGCCGGCTCTCCGTGCTCCTCTTGGTACCTCATTTTGGGGAGAA
CCTTAAACCCACTCGAGCAGATAATCTCCGCCTTGACCGGTGCCACCAAAGAAGCCTTGGAACCATGTGGACTTT
TCTGGGCATTGCCACTTTACCTATTTTTATAAGAAGTTCGGGGACTTCATCACTTTGGCCAACAGGGAGGTCTCT
GTTGTGCGTGCTGGTGTTCCCTCTCGCTGGGCCTGGTGCTCTCCTACCGCTGTGCGCCACCGAAACGGGGGTCTCCT
CGGGCGCCAGCAGAGCGGCTCCAGTTCGCCCTCTTCTCGGATATTCTCTCAGGCCTGCCTTTCATTGGCTTCTT
CTGGGCCAAATCCCCCCTGAATCAGAAAATAAGGAGCAGCTCGAGGCCAGGAGGCGCAGAAAAGGAACCAATAT
TTCAGAAACAAGCTTAATAGGAACAGCTGCCTGTACATCAACATCTTCTCAGAATGACCCAGAAGTTATCATCGT
GGGAGCTGGCGTGCTTGGCTCTGCTTTGGCAGCTGTGCTTTCCAGAGATGGAAGAAAGGTGACAGTCATTGAGAG
AGACTTAAAAGAGCCTGACAGAATAGTTGGAGAATTCCTGCAGCCGGGTGGTTATCATGTTCTCAAAGACCTTGG
TCTTGGAGATACAGTGGAAGGTCTTGATGCCAGGTTGTAAATGGTTACATGATTATCATGATCAGGAAAGCAAATC
AGAGGTTTCAGATTCTTACCTCTGTGTCAGAAAACAATCAAGTGCAGAGTGGAAGAGCTTCCATCACGGAAGATT
CATCATGAGTCTCCGAAAGCAGCTATGGCAGAGCCCAATGCAAAGTTTATTGAAGGTGTTGTGTTACAGTTATT
AGAGGAAGATGATGTTGTGATGGGGAGTTCAGTACAAGGATAAAGAGACTGGAGATATCAAGGAACCTCCATGCTC
CACTGACTGTTGTTGCAGATGGGCTTTTCTCCAAGTTCAGGAAAAGCCTGGTCTCCAATAAAGTTTCTGTATCAT
CTCATTTTGTGGCTTTCTTATGAAGAATGCACCACAGTTTAAAGCAAATCATGCTGAACCTATTTTAGCTAACC
CGAGTCCAGTTCTCATCTACCAGATTTTCATCCAGTGAACTCGAGTACTTGTGACATTAGAGGAGAAATGCCAA
GGAATTTAAGAGAATACATGGTTGAAAAAATTTACCCACAAATACCTGATCACCTGAAAGAACCATTCTTAGAAG
CCACTGACAATTCTCATCTGAGGTCCATGCCAGCAAGCTTCCTTCCTTCATCAGTGAAGAAACGAGGTGTTT
TTCTTTTGGGAGACGCATATAATATGAGGCATCCACTTACTGGTGGAGGAATGACTGTTGCTTTTAAAGATATAA
AACTATGGAGAAAACCTGCTAAAGGGTATCCCTGACCTTTATGATGATGCAGCTATTTTCGAGGCCAAAAATCAT
TTTACTGGGCAAGAAAAACATCTCATTCCCTTGTGCTGAATATCCTTGCTCAGGCTCTTTATGAATTATTTTCTG
CCACAGATGATTCCCTGCATCAACTAAGAAAAGCCTGTTTTCTTTATTTCAAACCTTGGTGGCGAATGTGTTGCGG
GTCCTGTTGGGCTGCTTTCTGTATTGTCTCCTAACCTCTAGTTTTTAATTGGACACTTCTTTGCTGTTGCAATCT
ATGCCGTGATTTTTTGTCTTAAAGTCAGAACCTTGATTACAAAACCTCGAGCCCTTCTCAGTAGTGGTGCTGTAT
TGTAACAAGCGTGTCTGTAAATATTTCTCTAATTTACTCAGAAATGAAGTATATGGTTTCATTAAAGCTTAAAGGG
GAACCATTTGTGAATGAATATTTGGAACCTTACCAAGTCCTAAGAGACTTTTGAAGAGGATATATATAGCATAGT
ACCATAACCACTTATAAAGTGGAACCTCTTGACCAAGATTTGGATTAATTTGTTTTTGAAGTTTTTGTATATAA
ATATGTAAATACATGCTTTAATTTGCAATTTAAAATGAAGGGTTAAATAAGTTAGACATTTAAAAGAAATGATT
GTTACCATAAATTAGTGCTAATGCTGAGGAGAACTACAGTTTTTCTTTTGAATTTAGTATTTGAGATGAGTTGTT
GGGACATGCAAATAAAATGAAGAATGA

2828/6881
FIGURE 2606

GGCAGAGCCCCGCTCAGTCACCCGAGCAGGCGTGAGTTTCCCGGCTCTCCGCGCGGCCGGGGAAGGTCAGCGC
CGTAATGGCGTTCTTGCGGTCGGGACCCCTACCTGACCCATCAGCAAAAGGTGTTGCGGCTTTATAAGCGGGCGCT
ACGCCACCTCGAGTCGTGGTGCGTCCAGAGAGACAAATACCGATACTTTGCTTGTTTGATGAGAGCCCGGTTTGA
AGAACATAAGAATGAAAAGGATATGGCGAAGGCCACCCAGCTGCTGAAGGAGGCCGAGGAAGAATTCTGGTACCG
TCAGCATCCACAGCCATACATCTTCCCTGACTCTCCTGGGGGCACCTCCTATGAGAGATACGATTGCTACAAGGT
CCCAGAATGGTGCTTAGATGACTGGCATCCTTCTGAGAAGGCAATGTATCCTGATTACTTTGCCAAGAGAGAACA
GTGGAAGAACTGCGGAGGGAAAGCTGGGAACGAGAGGTTAAGCAGCTGCAGGAGGAAACGCCACCTGGTGGTCC
TTTAACTGAAGCTTTGCCCCCTGCCCGAAAGGAAGGTGATTTGCCCCCACTGTGGTGGTATATTGTGACCAGACC
CCGGGAGCGGCCCATGTAGAAAGAGAGAGACCTCATCTTTCATGCTTGCAAGTGAAATATGTTACAGAACATGCA
CTTGCCCTAATAAAAAATCAGTGAAATGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

2829/6881
FIGURE 2607

MAFLASGPYLTHQQKVLRLYKRALRHLESWCVQORDKYRYFACLMRARFEEHKNEKDMAKATQLLKEAEEEFWYRQ
HPQPYIFPDSPGGTSYERYDCYKVP EWCLDDWHPSEKAMYPDYFAKREQWKKLRRESWEREVKQLQEETPPGGPL
TEALPPARKEGDLPLWWYIVTRPRERPM

2830/6881
FIGURE 2608

CTGCTCGCGGCCGCCACCGCCGGGCCCCGGCCGTCCCTGGCTCCCCCTCGCTCGAGAAGGGCAGGGCTTCTCA
GAGGCTTGGCGGGAAAAAGAACGGAGGGAGGGATCGCGCTGAGTATAAAAGCCGGTTTTTCGGGGCTTTATCTAAC
TCGCTGTAGTAATTCCAGCGAGAGGCAGAGGGAGCGAGCGGGCGGCCGGCTAGGGTGAAGAGCCGGGCGAGCAG
AGCTGCGCTGCGGGCGTCTTGGGAAGGGAGATCCGGAGCGAATAGGGGGCTTCGCCTCTGGCCAGCCCTCCCGC
TGATCCCCCAGCCAGCGGTCCGCAACCCCTTGCCGCATCCACGAACTTTGCCCATAGCAGCGGGCGGGCACTTTG
CACTGGAACTTACAACACCCGAGCAAGGACGCGACTCTCCCGACGCGGGGAGGCTATTCTGCCATTTGGGGACA
CTTCCCCGCCGCTGCCAGGACCCGCTTCTCTGAAAGGCTCTCCTTGCAGCTGCTTAGACGCTGGATTTTTTTCGG
GTAGTGGAAAACAGCAGCCTCCCGCAGCATGCCCCCTCAACGTTAGCTTCACCAACAGGAATATGACCTCGAC
TACGACTCGGTGCAGCCGTATTTCTACTGCGACGAGGAGGAGAACTTCTACCAGCAGCAGCAGCAGAGCGAGCTG
CAGCCCCCGGCGCCAGCGAGGATATCTGGAAGAAATTCGAGCTGCTGCCACCCCGCCCTGTCCCTAGCCGC
CGCTCCGGGCTCTGCTCGCCCTCTACGTTGCGGTACACCCCTTCTCCCTTCGGGGAGACAACGACGGCGGTGGC
GGGAGCTTCTCCACGGCCGACCAGCTGGAGATGGTGACCGAGCTGCTGGGAGGAGACATGGTGAACCAGAGTTTC
ATCTGCGACCCGACGACGAGACCTTCATCAAAAACATCATCATCCAGGACTGTATGTGGAGCGGCTTCTCGGCC
GCCGCCAAGCTCGTCTCAGAGAAGCTGGCCTCCTACCAGGCTGCGCGCAAAGACAGCGGCAGCCCGAACCCGCC
CGCGGCCACAGCGTCTGCTCCACCTCCAGCTTGTACCTGCAGGATCTGAGCGCCGCCGCTCAGAGTGCATCGAC
CCCTCGGTGGTCTTCCCTTACCCTCTCAACGACAGCAGCTCGCCCAAGTCTGCGCCTCGCAAGACTCCAGCGCC
TTCTCTCCGTCTCTCGGATTCTCTGCTCTCCTCGACGGAGTCTTCCCGCAGGGCAGCCCCGAGCCCTGGTGCTC
CATGAGGAGACACCGCCCACCACCAGCAGCGACTCTGAGGAGGAACAAGAAGATGAGGAAGAAATCGATGTTGTT
TCTGTGGAAAAGAGGCAGGCTCCTGGCAAAGGTCAGAGTCTGGATCACCTTCTGCTGGAGGCCACAGCAAACCT
CCTCACAGCCCACTGGTCTCTAAGAGGTGCCACGTCTCCACACATCAGCACAACTACGCAGCGCCTCCCTCCACT
CGGAAGGACTATCCTGCTGCCAAGAGGGTCAAGTTGGACAGTGTCAGAGTCTGAGACAGATCAGCAACAACCGA
AAATGCACCAGCCCCAGGTCTCTGGACACCGAGGAGAATGTCAAGAGGCGAACACACAACGTCTTGGAGCGCCAG
AGGAGGAACGAGCTAAAACGGAGCTTTTTTGCCCTGCGTGACCAGATCCCGGAGTTGGAAAACAATGAAAAGGCC
CCCAAGGTAGTTATCCTTAAAAAAGCCACAGCATAACATCCTGTCCGTCCAAGCAGAGGAGCAAAAGCTCATTCT
GAAGAGGACTTGTTGCGGAAACGACGAGAACAGTTGAAACACAACTTGAACAGCTACGGAACCTTGTGCGTAA
GGAAAAGTAAGGAAAACGATTCTTCTAACAGAAATGTCTGAGCAATCACCTATGAACCTGTTTCAAATGCATG
ATCAAATGCAACCTCACAACCTTGGCTGAGTCTTGAGACTGAAAGATTTAGCCATAATGTAAACTGCCTCAAATT
GGACTTTGGGCATAAAAGAACTTTTTTATGCTTACCATCTTTTTTTTTCTTTAACAGATTTGTATTTAAGAATT
GTTTTTAAAAAATTTTAA

2831/6881
FIGURE 2609

GGTAATTCATTGTCACACCTGTTAGCAAGAAACAGAAGTTGAAGGACTGGAACAAGTGAACCTAGGAAAGAGGGGAA
CGCCAATCCAAGGATAGAAGGACAAGGACAGAATCACCAGCACTGGCTGAAGGTACCTTAAACATGGGGGAATCTTC
TTAAAGTTTTGACATGCACAGACCTTGAGCAGGGGCCAAAATTTTTCTCTTGATTTTTGAAAATGCCAGCCTACAG
AGTCTGAGAAGGAAAATTTATAATCAGGTGAATGTAGTATTAAAAAGATGCAGAAGGCATCTTGGAGGACTTGCAGT
CATACAGAGGAGCTGGCCACGAAAATACGAGAGGCAATCCAGCATCCAGCAGATGAGAAGTTGCAAGAGAAGGCAT
GGGGTGCAAGTTGTTCCACTAGTAGGCCAAAATTTAAAGAAAATTTTACGAATTTTCTCAGAGGTTAGAAGCAGCATTAA
GAGGTCTTCTGGGAGCCTTAAACAAGTACCCCATATTCTCCACCCAGCATCTAGAGCGAGAGCAGGCTCTTGCTA
AACAGTTTGACAGAAAATCTTTCATTTACACTCCGGTTTTGATGAACTCAAGATGACAAATCCTGCCATACAGAATG
ATTTACGCTATTATAGAAGAACATTGAGTCGTATGAGGATTAACAATGTACCGGCAGAAGGAGAAAAATGAAGTAA
ATAATGAATTGGCAAAATCGAATGTCTTTGTTTTATGCTGAGGCCAACTCCAATGCTGAAAACCTTGAGTGATGCCA
CAACAAAATTTGTATCAGAGAATAAAAAATTTACCAATAGAAAAATACCACAGATTGTTTAAAGCACAATGGCTAGTG
TATGCAGAGTCATGCTGGAAACACCGGAATACAGAAGCAGATTTACAAATGAAGAGACAGTGTCAATTCTGCTTGA
GGGTAATGGTGGGTGTATAATACTCTATGACCACGTACATCCAGTGGGAGCATTGCTAAAACCTTCCAAAATTG
ATATGAAAGGTTGTATCAAAGTTCTTAAAGGACCAACCTCCTAATAGTGTGGAAGGTCTTCTAAATGCTCTCAGGT
ACACAACAAAAACATTTGAATGATGAGACTACCTCCAAGCAAATTTAAATCCATGCTGCAATTAACAATTCTGGAATA
AGCACCTGCTGTAGACAGAAGACAGTATTCTGCAATGACTGAGAATGCAGTTTTTTAGTGATTGCAATTACTATC
TCATTTATTCTTGCTTTTTATTTCTTTCTCTGTTCTCTTCCCTCTTTTTTAAATCATGTTCTTAAAGACTTCTTTT
CTGTGCCAAAATCAGTAAAGTTACACTCTGAAGGGATATCATCCTTTCAAACGGGCCATCTAAGGCAGCTAATTA
TGCATTGCATTGGGGTCTCTACTGAGAAAAAATCTGTGACTTGAACATAAATTTTTTAAATGTGGATTTTTTTTG
AAACTAATATTTAATATTGCTTCTCTCTGCATGGCAAAAACCTGCCTATTCTGCTATTTAAAAACCTCAATGACTTT
ATTTTCTACTGCCGCCTTTTTTCATGTGCAACCAAAAATGAAAATGTTTAAATTAAGTGTGTTGTACAAATGGTACC
CAACACAAACTTTTTTTAAATTAGTAATACTTTTTGTTTAAAGTTTTTAAGTTTGCATTTTGACTTTTTTTGTAAAG
ATGTATGTTGTGTGTTTAACTTTTATTAACCTTAACTAACGTTAAAAGCTGTGATGTGTGCGTAGAATATTACGTATGCAT
GTTTCATGTCTAAAGAATGGCTGTTGATGATAAAAATAAAAAATCAGCTTTTCATTTTTCT

2832/6881
FIGURE 2610

MGNLLKVLTC TDLEQGP NFFLDFENAQPT ESEKEIYNQVNVVLKDAEGILEDLQSYRGAGHEIREAIQH PADEKL
QEKAWGAVVPLVGKLKKFYEF SQRLEAALRGLLGALTSTPYSPTQH LEREQALAKQFAEILHFTLRFDELKMTNP
AIQNDFSYYRRTL SRMRINNVP AEGENEVNNELANRMSLFYAEATPMLKTLSDATTKFVSENKNLP IENTTDCLS
TMASVCRVMLETPEYRSRFTNEETVSFCLRVMVGVIILYDHVHPVGAF AKTSKIDMKGCIKVLKDQPPNSVEGLL
NALRYTTKHLNDETTSKQIKSMLQ

2833/6881
FIGURE 2611

CTAATTTCTAGATTAGACGTTGGTAGGGAGGCCGATAAGTCAAAGTGGCAAGTGTCAAGTGTACACCAAAGGGA
GCGACCAGAACAGAGTAAAGCCCATAAACCGAGTAAAAACAAACAACACCACAGTCCCTCAAAGCTGTAGGCCAC
GTAGTATGAGGGAAACAGCACACCACGCTGGGGCAGTGTGTATCAGAAGAGCATTAGGAAGAGGTCCGTATCTTG
CAGTTTATGTTGAAGTTTCTGGTAAAGATGGTCAGAAGCGGGAACCTGACACTTCAAAGTGGGAAGCTTCAGTTAC
CTGGGCGCCCAAGGGGAGGTGTTCTCCCCAGTGATGCCGGGCAAATGAACCAACAGCTGGATCATACTTCTCATT
TGACATGCTTTTTGGGGGACCTACGTGGGGTTCAGCACTGCGCCGGGCCACAGATTGTCAGGGCCAATGAGGATG
TGGTCCCTGCCCCGAGCCTGATGCTCTAAGTGCTGAGGGTGGAGGGCTTCCCGGAGGAGGTGTTCTCTGAGGAG
AGTGCAATGTGGCTGGGTGTGAGCTCTGAGCACAGAAGTCACTTGGGGATCATAGCAGTTTTGTTTGTGAGGGACA
GTGTG

2834/6881
FIGURE 2612

GCTCCGGGCCAGCCGCGGTCCAGAGCGCGCGAGGTTCTGGGGAGCTCGGCCAGGCTGCTGGTACCTGCGTCCGCCC
GGCGAGCAGGACAGGCTGCTTTGGTTTGTGACCTCCAGGCAGGACGGCCATCCTCTCCAGAATGAAGATCTTCTT
GCCAGTGCTGCTGGCTGCCCTTCTGGGTGTGGAGCGAGCCAGCTCGCTGATGTGCTTCTCCTGCTTGAACCAGAA
GAGCAATCTGTACTGCCTGAAGCCGACCATCTGCTCCGACCAGGACAACACTACTGCGTGACTGTGTCTGCTAGTGC
CGGCATTGGGAATCTCGTGACATTTGGCCACAGCCTGAGCAAGACCTGTTCCCCGGCCTGCCCCATCCCAGAAGG
CGTCAATGTTGGTGTGGCTTCCATGGGCATCAGCTGCTGCCAGAGCTTTCTGTGCAATTTTCAGTGCGGCCGATGG
CGGGCTGCGGGCAAGCGTCACCCCTGCTGGGTGCCGGGCTGCTGCTGAGCCTGCTGCCGGCCCTGCTGCGGTTTGG
CCCCTGACCGCCCAGACCCTGTCCCCGATCCCCAGCTCAGGAAGGAAAGCCCAGCCCTTTCTGGATCCCACAG
TGATATGGGAGCCCCTGACTCCTCACGTGCCTGATCTGTGCCCTTGGTCCCAGGTCAGGCCCACCCCTGCACCTC
CACCTGCCCCAGCCCCTGCCTCTGCCCCAAGTGGGGCCAGCTGCCCTCACTTCTGGGGTGGATGATGTGACCTTC
CTTGGGGGACCGCGGAAGGGACGAGGGTTCCCTGGAGTCTTACGGTCCAACATCAGGACCAAGTCCCATGGACAT
GCTGACAGGGTCCCCAGGGAGACCGTGTGAGTAGGGATGTGTGCCCTGGCTGTGTACGTGGGTGTGCAGTGCACGT
GAGAGCACGTGGCGGCTTCTGGGGGCCATGTTTGGGGAGGGAGGTGTGCCAGCAGCCTGGAGAGCCTCAGTCCCT
GTAGCCCCCTGCCCTGGCACAGCTGCATGCACTTCAAGGGCAGCCTTTGGGGGTTGGGGTTTCTGCCACTTCCGG
GTCTAGGCCCTGCCCCAAATCCAGCCAGTCCTGCCCCAGCCCACCCCCACATTGGAGCCCTCCTGCTGCTTTGGT
GCCTCAAATAAATACAGATGTCCCC

2835/6881
FIGURE 2613

TGTTGAGAGGCTGGCCTGCGGTGATGTGGCCAAAGAGGAAGAGCTGGGCTGGGGTGAGTGTTGGTCACATGGTTG
AAACTAGGTGGGGAGGGGAGTGGTCCAGGGGAGAGTCCAGGCCAGCTCTGCTGGGACTTGCCATGGGGGTACG
ACTCATCTGCAGGGAAGGTCTGGGCTTTATCTCTGAGCACCTCTGTGTGCTGCTCACCTGAAGTGGGGGTGGGC
CTGTGCCTGGCCTGTCCCCCTATCCTGGGAGCTCCCAATGCCCATCTGCAAGGCTGTGGACCCCTCAGGAGTGGC
CTGGAGCCTGGCTCCCATTTGCCACATGGTGGCTGTGTGTGTGGAGAGGGTTGATAGTGGAGTGGTCAGGCCCAGG
CTGCCCTGGGGGATGAAGTGCCATCCTCTGGGTGCCCTGGAGAAAGAAGAGAACTCAGTGAGCCCTGTCTGGTAC
TTTCCTGGAGGAGGGCTCCCATGCTGGCCCTCCACCCCTCTGTCCCCTGTACCCCTGAGGCCCTCTGGATTTCCTC
TCTGCCCTTCCCAACCTGCCAACTTCACGGGTTTCTGGCTGGGTTCTGGGGATGGCCCCCTAGGGGAGACGGGCCA
GGCACAAGCGGGGCTGTGTCAAGGTGGGTATGCAGGGGTAGCACAAAGTGTGCAGAGCCTGGGGAGGCATGGGCAA
AGCATGGCAGGCGGCGGGGCAGGGGATCTTGGAAGGTACGGGCTGGGGAGCAGTGTGGGCAGCGGCCAGAGGT
GGGAAGGCCGTAGCTTAGCTGGGTGTCCCCTTTCTGTCTCTGCAGGTGGAGCCCCCTGAGCTGCCCGCTGATCT
GCAGCACTGGATCTCCTACAACGAGGCCAGCAGCCAGCTGCTCCGCATGGAGAGTGGGCTCAGTGATGTACCAA
GGACCAGTGACCGCCACCTTCACACCGTCTGCCCTGGCCACCATCCTGGGCCTGGGGGCTGCCACAGATGGGCA
GTCTCAGCCATACTCTGTTCCAGCTGGAGTAGCCTCCTGACCAGCCTGGCCCACCCTGCTCCACCCACTGGGCC
CCCCAGTTATTGATACCCCTCTGTGCTGGGCTCCACGCTAGGCAGAAGGAGGAGTGGCATTGGCATCCTGACCCA
GCTCTGCCCTCAAGGTGGGGATGGATGGGCAAAGGAGAGTCTGCCTGGCCCTACGATGAGGCCACTCATGTGGG
CCTAGGTAGGGGAGGATGGTGCCTGGAGCAGAGGGACCCACAAGTGCCTCCCGAGCCTAGATCCTGGCTCGGACC
ACTGCAAGGGCCGAGGCAGGGCCAGACCAGAGCATCCTGGGTACAGGCCTGGGCTCTCCAGGGCCTGGGCCTGAT
TCAGGTGCAGTGGGCACTCCTGAAGGGTCAGAGCGGCATCTGCCAGGCAGCCCCCTCTGGCTTCCGCTGAGGTGGT
TGCAGGCCTGGGGCAGAGCCTGGGTGGTCAGAGGCCGGGGCTAGAGGCAGATGGAAGGGAGGCATTGCTGACAG
AGGACGGGGCACCCGGGCTCCCCACTGCAGTCGGCCTTGCCCTCCTCCTCCTCTACCTCCAGTCAGGCTGGAC
GGGAGGGTAGCCTTGTTGGCTGAGAGGGGTGAGTGGTGGCACAGGGGCTCCTGGAAAGACAGCAGGCTTCCTG
CTGGGCGTTCCCTTGTTGGAGGGAATAGAGTGGGGGTGGGACTCTGCAGGGGTGTCCTTGTCCTCTATATTAG
CGCCGCCACCAGGGCCATGCTCTGTGACTTGGGCTGATCCCCACCCTTTCTGGGCCTACAGCACCAAGGCCG
TGTACCCCTTAGAGCTGCCCCTCTCTGGCCTGGCCGGCAGGCGTCTTCTTAACCTCTTGTCTCTATATTAG
CATGTTCTTGTGAGCTGCTGGGCCGGCCCTGCCTTGCGCTAGCAGAGCCTCTCCTGGCAGCTTCTCAGGTCTCC
CTAATGGAGACACCAGCCTGAGGCTCCAGCTGATGCCCTCAGCTCCCAGAGAGGGGGTGGCCATCTAGCTGGGT
GCAGGGGTCACTGCTTGTGAGCTCAGGGCCCTGTGCCCGCTTGCCCTGTTCCTTACATCTGTGCCTGCACATCCA
GAACTGCCTCCTTGCCGCTGCCTCCAGGAAGCCACCTTGAGCCAGAGTCAAGGGCTGCAGCACTGCCCGATAGA
ACACGCCCCCCTCACTGCTGTTCTTGCCCTTACAGCCACCATGGGAAAGCTGCAACCTTTCTGTTTTATTAAAG
AAAGCCCAACATTAAAGGGTTTTTCATTGC

2836/6881
FIGURE 2614

GGGCACCGTAACCAGCGCCGCGGACACCGGCACCGGCGCCACGGACTCCGCAGGACCCCGCGCCCGCCGCGCCG
CTATGCTGGGGCTGCTGGTGGCGTTGCTGGCCCTGGGGCTCGCTGTCTTTGCGCTGCTGGACGTCTGGTACCTGG
TGCGCCCTCCGTGCGCCGTGCTGCGCGCGCGCCTGCTGCAGCCGCGCGTCCGTGACCTGCTAGCTGAGCAGCGCT
TCCCGGGCCGCGTGCTGCCCTCGGACTTGGACCTGCTGTTGCACATGAACAACGCGCGCTACCTGCGCGAGGCCG
ACTTTGCGCGCGTGCAGCACCTGACCCGCTGCGGGGTGCTCGGGGCGCTGAGGGAGTTGCGGGCGCACACGGTGC
TGGCGGCCTCGTGCGCGCGCCACCGCCGCTCGCTGCGCCTGCTGGAGCCCTTCGAGGTGCGCACCCGCTGCTGG
GCTGGGACGACCGCGCGTTCTACCTGGAGGCGCGCTTTGTGAGCCTGCGGGACGGTTTCGTGTGCGCGCTGCTGC
GCTTCCGGCAGCACCTGCTGGGCACCTCACCCGAGCGCGTTCGTGCAGCACCTGTGCCAGCGCAGGGTGGAGCCCC
CTGAGCTGCCCCGTGATCTGCAGCACTGGATCTCCTACAACGAGGCCAGCAGCCAGCTGCTCCGCATGGAGAGTG
GGCTCAGTGATGTCACCAAGGACCAGTGACCGCCACCTTCACACCGTCTGCCCTGGCCACCATCCTGGGCCTGGG
GGCTGCCCCACAGATGGGCAGTCTCAGCCATACTCTGTTCCAGCTGGAGTAGCCTCCTGACCAGCCTGGCCCCACCC
TGCTCCACCCACTGGGCCCCCCCCAGTTATTGATACCCCTCTGTGCTGGGCTCCACGCTAGGCAGAAGGAGGAGTG
GCATTGGCATCCTGACCCAGCTCTGCCCTCAAGGTGGGGATGGATGGGCAAAGGAGAGTCTGCCTGGCCCTACG
ATGAGGCCACTCATGTGGGCCTAGGTAGGGGAGGATGGTGCCTGGAGCAGAGGGACCCACAAGTGCCTCCCGAGC
CTAGATCCTGGCTCGGACCACTGCAAGGGCCGAGGCAGGGCCAGACCAGAGCATCCTGGGTACAGGCCTGGGCTC
TCCAGGGCCTGGGCTGATTGAGGTGCAGTGGGCACTCCTGAAGGGTCAGAGCGGCATCTGCCAGGCAGCCCCCTC
TGGCTTCCGCTGAGGTGGTTGCAGGCCTGGGGCAGAGCCTGGGTGGTCAGAGGCCGGGGCTAGAGGCAGATGGAA
GGGAGGCATTTGCTGACAGAGGACGGGGCACCCGGGCTCCCCACTGCAGTCGGCCTTGCCCTCCTCCTCCTCT
ACCTCCAGTCAGGCTGGACGGGAGGGTAGCCTTGTGGCTGAGAGGGGTGAGACTAGGTGGCACAGGGGCTCCTGG
AAAGACAGCAGGCTTCCTGCTGGGCGTTCCCTTGTGGAGGGAATAGAGTGGGGGTGGGACTCTGCAGGGGTGTC
CTTGTCCACTCGCACCCCTCGCCGCCCACCAGGGCCATGCTCTGTGACTTGGGCTGATCCCCACCTTTCTGGGC
CTACAGCACCACAGGCCGCTGTACCCCTTAGAGCTGCCCCTCTCTGGCCTGGCCGGCAGGCGTCTTCTTAACTC
CTCTGTCTCTATATTACAGCATGTTCCCTTGTGAGCTGCTGGGCGCGCCCTGCCTTGCCTAGCAGAGCCTCTCCT
GGCAGCTTCTCAGGTCTCCCTAATGGAGACACCAGGCTACTAGGACACTGGCTGGGGCCACCCCTCCTGCCTAA
TGCCTCACCTTACAGCTGGGGAAACTGAGGCCTGGAATGGCCAGAGTCACCAAGGCAAAGTTGGGGCTGGTCCC
AGCCTGAGGCTCCAGCTGATGCCCTCAGCTCCCAGAGAGGGGGTGGCCATCTAGCTGGGTGCAGGGGTCACTGC
TTGTGAGCTCAGGGCCCTGTGCCCCGCTTGCCCTGTTCCCTACATCTGTGCTGCACATCCAGAACTGCCTCCTTG
CCGCTGCCTCCAGGAAGCCACCTTGAGCCAGAGTCAAGGGCTGCAGCACTGCCCGATAGAACACGCCCGCCCTC
ACTGCTGTTCTTGCTTACAGCCACCATGGGAAAGCTGCAACCTTTCTGTTTTATTTAAAGAAAGCCCAACATTA
AAGGGTTTTTCATTGCAAAAAAAAAAAAAAAAAA

2837/6881
FIGURE 2615

MLGLLVALLALGLAVFALLDVWYLVRLPCAVLRARLLQPRVRDLLAEQRFPGRVLP
SDLDLLLHMNNARYLREAD
FARVAHLTRCGVLGALRELRAHTVLAASCARHRRSLRLLEPFVETRLGWDDRAFYLE
EARFVSLRDGFVCALLR
FRQHLLGTSPERVVQHLCQRRVEPPELPADLQHWISYNEASSQLLRMESGLSDVTKDQ

2838/6881
FIGURE 2616

CTTTCCCGGAGGCTGGCAGATGCGCGTGGTGCGGCTGCTGCGGCTCCGGGCGGCTCTGACGCTGCTCGGGGAGGT
CCCCCGCCGCCCCGGCCTCCCGGGGTGTCCCGGGCTCGCGCAGGACGCAGAAAGGGCAGTGGAGCCAGGTGGGAGAA
GGAGAAGCACGAAGACGGGGTGAAGTGGAGACAGCTGGAGCACAAAGGGCCCGTACTTCGCACCCCCATACGAGCC
CCTTCCCGACGGAGTGCCTTTCTTCTATGAAGGAAGGCCTGTGAGATTGAGCGTGGCAGCGGAGGAGGTGCGCCAC
TTTTTATGGGAGGATGTTAGATCATGAATACACAACAAAGGAGGTTTTCCGGAAGAACTTCTTCAATGACTGGCG
AAAGGAAATGGCGGTGGAAGAGAGGGAAGTCATCAAGAGCCTGGACAAGTGTGACTTCACGGAGATCCACAGATA
CTTTGTGGACAAGGCCGAGCCCGGAAAGTCCTGAGCAGGGAGGAGAAGCAGAAGCTAAAAGAAGAGGCAGAAAA
ACTTCAGCAAGAGTTCGGCTACTGTATTTTAGATGGTCACCAAGAAAAAATAGGCAACTTCAAGATTGAGCCGCC
TGGCTTGTTCCGTGGCCGTGGCGACCATCCCAAGATGGGGATGCTGAAGAGAAGGATCACGCCAGAGGATGTGGT
TATCAACTGCAGCAGGGACTCGAAGATCCCCGAGCCGCCGGCGGGGCACCAAGTGAAGGAGGTGCGCTCCGATAA
CACCGTCACGTGGCTGGCAGCTTGGACCGAGAGCGTTCAGAACTCCATCAAGTACATCATGCTGAACCCCTTGCTC
GAAGCTGAAGGGGGAGACAGCTTGGCAGAAGTTTGAAACAGCTCGACGCCTGCGGGGATTTGTGGACGAGATCCG
CTCCCAGTACCGGGCTGACTGGAAGTCTCGGGAAATGAAGACGAGACAGCGGGCGGTGGCCCTGTATTTTCATCGA
TAAGCTGGCACTGAGAGCAGGAAATGAGAAGGAGGACGGTGAGGCGGCCGACACCGTGGGCTGCTGTTCCCTCCG
CGTGGAGCACGTCCAGCTGCACCCGGAGGCCGATGGCTGCCAACACGTGGTGGAATTTGACTTCCTGGGGAAGGA
CTGCATCCGCTACTACAACAGAGTGCCGGTGGAGAAGCCGGTGTACAAGAACTTACAGCTCTTTATGGAGAACAA
GGACCCCGGGACGACCTCTTCGACAGGCTGACCACGACCAGCCTGAACAAGCACCTCCAGGAGCTGATGGACGG
GCTGACGGCCAAGGTGTTCCGGACCTACAACGCCTCCATCACTCTGCAGGAGCAGCTGCGGGCCCTGACGCGCGC
CGAGGACAGCATAGCAGCTAAGATCTTATCCTACAACCGAGCCAACCGAGTCGTGGCCATTCTCTGCAACCATCA
GCGAGCAACCCCGAGTACGTTTCGAGAAGTCGATGCAGAATCTCCAGACGAAGATCCAGGCAAAGAAGGAGCAGGT
GGCTGAGGCCAGGGCAGAGCTGAGGAGGGCGAGGGCTGAGCACAAAGCCCAAGGGGATGGCAAGTCCAGGAGTGT
CCTGGAGAAGAAGAGGCGGCTCCTGGAGAAGCTGCAGGAGCAGCTGGCGCAGCTGAGTGTGCAGGCCACGGACAA
GGAGGAGAACAAGCAGGTGGCCCTGGGCACGTCCAAGCTCAACTACCTGGACCCAGGATCAGCATTGCCTGGTG
CAAGCGGTTTCAGGGTGCCAGTGGAGAAGATCTACAGCAAAACACAGCGGGAGAGGTTTCGCCTGGGCTCTCGCCAT
GGCAGGAGAAGACTTTGAATTCTAAACGACGAGCCGTGTTGAACTTCTTTTGTATGTGTGTGTGTTTTTTTCACT
ATTAAAGCAGTACTGGGGAATTTTGTACAATAAAAAAAAAAAAAAAAAA

2839/6881

FIGURE 2617

MRVVRLRLRAALTLLGEVPRRPASRGVPGSRRTQKGSGARWEKEKHEDGVKWRQLEHKGPYFAPPYEPLPDGVR
FFYEGRPVRLSVAEEVATFYGRMLDHEYTTKEVFRKNFFNDWRKEMAVEEREVIKSLDKCDFTEIHRYFVDKAA
ARKVLSREEKQKLKEEAELQQEFGYCILDGHQEKIGNFKIEPPGLFRGRGDHPKMGMLKRRITPEDVVINCSRD
SKIEPPAGHQWKEVRSDNTVTWLAATESVQNSIKYIMLNPCSKLKGETAWQKFETARRLRGFVDEIRSQYRAD
WKSREMKTQRVAVALYFIDKLALRAGNEKEDGEAADTVGCCSLRVEHVQLHPEADGCQHVEFDLFGKDCIRYYN
RVPVEKPVYKNLQLFMENKDPRDDLFDRLTTTSLNKHLELMDGLTAKVFRTYNASITLQEQRLRALTRAEDSIAA
KILSYNRANRVVAILCNHQRATPSTFEKSMQNLQTKIQAKKEQVAEARAELRRARAETHKAQGDGKSRSVLEKKRR
LLEKLQEQLAQLSVQATDKEENKQVALGTSKLNYLDPRISIAWCKRFRVPVEKIYSKTQRERFAWALAMAGEDFE
F

2840/6881
FIGURE 2618

GATGGCGGCGGAGCAGGACCCCGAGGCGCGCGGGGCGGCCGCTGCTCACTGACCTCTACCAGGCCACCATGGC
GTTGGGCTATTGGCGCGCGGGCCGGGCGCGGGACGCCGCCAGTTTCGAGCTCTTCTTCCGCCGCTGCCCCGTTTCGG
CGGCGCCTTCGCCTTGGTAGCCGGCTTGCGCGACTGTGTGCGCTTCCTGCGCGCCTTCCGCCTGCGGGACGCCGA
CGTGCACTTCCTGGCCTCGGTGCTGCCCCAGACACGGATCCTGCGTTCTTCGAGCACCTTCGGGGCCTCGACTG
CTCCGAGGTGACGGTGCAGGCCCTGCCCGAGGCTCCCTGCGCTTCCCCGGAGTGCCGCTCCTGCAGGTGTCCGGG
CCGCTCCTGGTGGTGCAGCTGCTGGAGACACCGCTGCTCTGCCTGGTCAGCTACGCCAGCCTGGTGGCCACCAAC
GCAGCGCGCGTTTCGCTTGATCGCAGGGCCAGAGAAGCGGCTGCTAGAGATGGGCCTGAGGCGGGCTCAGGGCCCG
ATGGGGCCTGACAGCCTCCACCTACAGCTACCTGGGCGGCTTCGACAGCAGCAGCAACGTGCTAGCGGGCCAGCT
GCGAGGTGTGCCGGTGGCCGGGACCCCTGGCCCACTCCTTCGTCACTTCCTTTTCAGGCAGCGAGGTGCCCCCTGA
CCCATGTTGGCGCCAGCAGCTGGTGAGGGCCCTGGGGTGGACCTGGCGGCCAAAGCCCAGGTGTGGCTGGAGCA
GGTGTGTGCCACCTGGGGCTGGGGGTGCAGGAGCCGCATCCAGGCGAGCGGGCAGCCTTTGTGGCCTATGCCTT
GGCTTTTCCCGGGCCTTCAGGGCCTCCTGGACACCTACAGCGTGTGGAGGAGTGGTCTCCCCAACTTCCTAGC
AGTCGCCCTGGCCCTGGGAGAGCTGGGCTACCGGGCAGTGGGCGTGAGGCTGGACAGTGGTGACCTGCTACAGCA
GGCTCAGGAGATCCGCAAGGTCTTCCGAGCTGCTGCAGCCAGTTCCAGGTGCCCTGGCTGGAGTCAGTCCTCAT
CGTAGTCAGCAACAACATTGACGAGGAGGCGCTGGCCCGACTGGCCAGGAGGGCAGTGAGGTGAATGTCATTGG
CATTGGCACCAAGTGTGGTCACCTGCCCCAACAGCCTTCCCTGGGTGGTGTCTATAAGCTGGTGGCCGTGGGGGG
CCAGCCACGAATGAAGCTGACCGAGGACCCCGAGAAGCAGACGTTGCCTGGGAGCAAGGTGCTTTCCGGCTCCT
GGGCTCTGACGGGTCTCCTCATGGACATGCTGCAGTTAGCAGAAGAGCCAGTGCCACAGGCTGGGCAGGAGCT
GAGGGTGTGGCCTCCAGGGGCCAGGAGCCCTGCACCGTGAGGCCAGCCAGGTGGAGCCACTACTGCGGCTCTG
CCTCCAGCAGGGACAGCTGTGTGAGCCGCTCCCATCCCTGGCAGAGTCTAGAGCCTTGGCCCAGCTGTCCCTGAG
CCGACTCAGCCCTGAGCACAGGCGGCTGCGGAGCCCTGCACAGTACCAGGTGGTGTGTCCGAGAGGCTGCAGGC
CCTGGTGAACAGTCTGTGTGCGGGGCAGTCCCCCTGAGACTCGGAGCGGGGCTGACTGGAAACAACACGAATCAC
TCACTTTTCCCC

2841/6881
FIGURE 2619

CAGAAAAATGGCTACAACTTCCTAGCACATGAGAAAGATCTGGTTCGACAAGTTCAAATATGACGACGCAGAAAG
GAGATTCTACGAGCAGATGAACGGGCCTGTGGCAGGTGCCTCCCGCCAGGAGAACGGCGCCCGTGATCCTCCGTG
ACATTGCGAGAGCCAGAGAGAAACATCCAGAAATCCCTGGCTGGAAGCTCAGGCCCCGGGGCCTCCAGCGGCACCA
GCGGAGACCACGGTGAGCTCGTCGTCCGGATTGCCAGTCTGGAAGTGGAGAACCAGAGTCTGCGTGGCGTGGTAC
AGGAGCTGCAGCAGGCCATCTCCAAGCTGGAGGCCCGGCTGAACGTGCTGGAGAAGAGCTCGCCTGGCCACCGGG
CCACGGCCCCACAGACCCAGTGACAATGAGGAGGAGGACAAGGAGGCGGCACAGCTGCGGGAGGAGCGGCTACGG
CAGTACGCGGAGAAGAAGGCCAAGAAGCCTGCACTGGTGGCCAAGTCCTCCATCCTGCTGGATGTCAAGCCTTGG
GATGATGAGACGGACATGGCCCAGCTGGAGGCCTGTGTGCGCTCTATCCAGCTGGACGGGCTGGTCTGGGGGGCT
TCCAAGCTGGTGCCCGTGGGCTACGGTATCCGGAAGCTACAGATTCAGTGTGTGGTGGAGGACGACAAGGTGGGG
ACAGACTTGCTGGAGGAGGAGATCACCAAGTTTGAGGAGCACGTGCAGAGTGTGCATATCGCAGCTTTCAACAAG
ATCTGAAGCCTGAGTGTGTGTACGTGCGCGCGTGCCTGAGGCCCTGCCACGATTAAAGACTGAGAC

2842/6881
FIGURE 2620

AGCGCAGCGGCGTCCGAGGCAACAAGATGGCAGCTGCGGAGCCGTCTCCGCGGCGCGTGGGCTTCGTGGGCGCGG
GCCGCATGGCGGGGGCCATCGCGCAGGGCCTCATCAGAGCAGGAAAAGTGAAGCTCAGCACATACTGGCCAGTG
CACCAACAGACAGGAACCTATGTCACTTTCAAGCTCTGGGTTGCCGGACCACGCACTCCAACCAGGAGGTGCTAC
AGAGCTGCCTGCTCGTCATCTTTGCCACCAAGCCTCATGTGCTGCCAGCTGTCTGGCAGAGGTGGCTCCTGTGG
TCACCACTGAACACATCTTGGTGTCCGTGGCTGCTGGGGTGTCTCTGAGCACCCTGGAGGAGCTGCTGCCCCAA
ACACACGGGTGCTGCGGGTCTTGCCCAACCTGCCCTGTGTGGTCCAGGAAGGGGCCATAGTGATGGCGCGGGGCC
GCCACGTGGGGAGCAGCGAGACCAAGCTCCTGCAGCATCTGCTGGAGGCCTGTGGGCGGTGTGAGGAGGTGCCTG
AAGCCTACGTGCACATCCACACTGGCCTCAGTGGCAGTGGCGTGGCCTTCGTGTGTGCATTCTCCGAGGCCCTGG
CTGAAGGAGCCGTCAAGATGGGCATGCCCAGCAGCCTGGCCCAACCGCATCGCTGCCCAGACCCTGCTGGGGACGG
CCAAGATGCTGCTGCACGAGGGCCAACACCCAGCCCAGCTGCGCTCAGACGTGTGCACCCGGGTGGCACCACCA
TCTATGGACTCCACGCCCTGGAGCAGGGCGGGCTGCGAGCAGCCACCATGAGCGCCGTGGAGGCTGCCACCTGCC
GGGCCAAGGAGCTCAGCAGAAAGTAGGCTGGGCTCTGGCCATCCTTTCTGCTCTGTGCCCCCTGCCCTCTCCCTG
TGTCCCTTCCCCCTGAGGACTGCGGCTCCCTCCCTCCTGCATGAGGGTCTCCTACTGCTCCTTCTCCCCCTTGACA
GGGAAATGCAGGGGGCAGGACTTGGGAGGTTCCAGCAGGCGGGGGAGCCCCGACCAGTGGGGACACTCCTCCCTC
CCCAGTGAGCAGAAGGCACCGTGGTGGTGGCTCTGCCCCCTTGCTGCAGTGAGCCACCTTGCTGCAACATTGGTT
CTGAGGGGCCCCAAGAGATGGCGTCTTGGTCACTTGGCCGCATGGTTGGGCAGTTGGTTGAGGCCATGAACAGAAC
TTACGGTAACAGGCACGGCTGGCCCCAATGCCTGGTCTGGAGCTGGAGCTTGCCCTTTGGCTTTCCAGGTGGCTCCG
TGCAGCTACAGCCAGGCCGGCTGCCTCATCTCAGCTCTAGGGGGCACGAGCCATATGGGGTCTGCACAAGAGACC
CTCTCCCCTGCAGTAAAGCCAGGGGGCCCTGGCCTGATGGGGCCCCCATGGGGAGCTGGAGCCTGCCCTGCAGCCT
GGAGAAGAGGGTGGCTGTGGTGGGCGTGCTCATCCCCTGCTAAGGAGCAGGAGCTGCTGGGCCAGGTCTGCGGCA
GTGCTGGGGTGGCACCAGGTGGGCAGTGGTAGGTGGGGTGGCTTGAGGTCTGGGAGGGTGGCCCTGGCCAGCCAG
GACACATGCAGACCCCTGGCTTAGTCTGGATACAGGCTCCCTCTTTCTCCCAATCCTAAGCTCCTGACAAGTGG
CCAGGTGGCTCTGGGGCCCTCCTGCCCCGTGCCTAGGTACGGGGTCTGGAATACCCCGTAGCTCTGGCACCACCA
CACTGGCCTCTGATGGCAAGACTTGGCCCCCTCCACCTGTCCCTAACGGACGGCAGGTACAGGAAAGCCAGGACTCA
GGGGAGAAGCAAACCCCCAGGATTGAAGGCTAGGGTTCTAGGGCCTTTGGGTGGGAGGGCCCCGGGCCGACAGC
CTCAGCTCCGTCCCCTGCCCCACAAGATTACCTGGGCCTCCAGTCCCACGCTGGCCCCAACTGCTGCAGCTCTC
GGCTTCCGCCCCAACAGCCTCTGGAGGTGAGGCGGGAGCATGCCCTCAGCGAGGCTGGGCGGCGGGTCTGCTGTG
CCATCTCCCTGTGCGCCTGAGCAGATCAATCCACAGTGCAAAACAGGGCTAACGGCACCTGCAGGACAGCAGCA
CGCTCCATCCCTCATGCTCAGCTGCCTCTGCGGCCACGGACTTCTGCCCTTCTGCTCTCTTACTCTCCTG
AGCCTAGCCCGTCCGTAAGCTCCCTCCCTGCCTGGTTCCCAGGGCAGGCTGACTCAGTTGACTGCTTGGTCCAA
GCCTGGCCCTGGCACTTGTGAGGGTCAGCCTAAGGAGATGGGAATAAAGAGGCCAGAGAGCACCAAGTGAGCTCA
TGTTTC

2843/6881
FIGURE 2621

MAAAEPSRRVGFVGAGRMAGAIQAQLIRAGKVEAQHILASAPTDRNLCHFQALGCRTTHSNQEVLSCLLVIFA
TKPHVLPVLAEVAPVVTTEHILVSVAAGVSLSTLEELLPPNTRVLRVLPNLPCVVQEGAIVMARGRHVGSSETK
LLQHLLEACGRCEEVPEAYVDIHTGLSGSGVAFVCAFSEALAEAVKMGMPSSLAHRIAAQTLLGTAKMLLHEGQ
HPAQLRSDVCTPGGTTIYGLHALEQGGLRAATMSAVEAATCRAKELSRK

2844/6881
FIGURE 2622

CGCGTGGTGCGGCTGCTGCGGCTCCGGGCGGCTCTGACGTGCTCGGGGAGGTCCCCGCCGCCCGCCTCCCGGGAT
GTCCGCTCGCGCAGGACGCAGAAGGGCAGTGGAGCCAGAAACAGCCAGAAAGGCCCTTTCAGAAATGTCTGTTGC
ACATGCTTTCCCTCTCAGACCCTTCAGAGACTTCCTGTTGCTCTGAGGACACTCATCCAGCCGACCAGGCCAC
CAGGCCCCCAACAGCACTACCTGGCTGGGGTCACGTGCAGGTCTCCTGGCTCTGGCAGGTGGGAGAAGGAGAAGC
ACGAAGACGGGGTGAAGTGGAGACAGCTGGAGCACAAAGGGCCCGTACTTCGCACCCCCATACGAGCCCCCTCCCG
ATGGAGTGCCTTTCTTCTATGAAGGAAGGCCTGTGAGATTGAGCGTGGCAGCGGAGGAGGTGCCCACTTTTTATG
GGAGGATGTTAGATCATGAATACACAACAAAGGAGGTTTTCCGGAAGAACTTCTTCAATGACTGGCGAAAGG

2845/6881
FIGURE 2623

GCGGACTCGGGAGATGAGGAAAAGGAGATATTACGGCGGCAGATCCGCCTACTGCAGGGTCTGATTGATGACTA
CAAAACCCCTCCACGGCAATGCCCCGGCCCCCTGGTACCCAGCAGCTTCTGGGTGGCAGCCACCCACTTACCACAG
TGGCAGAGCCTTTAGTGCCCGCTACCTCTCGTCCAAGCCGGAGGGGCTACTCTTCCCACCATGGGCTTCGTGGCG
CAAGAAATACTCCCTCGTGAATCGGCCCGGGGACCCTCAGACCCTCCTGCCGACCATGCTGTGCGGGCGTTGCA
CGGGGGCCGGGGGGGCCAGCCTCCTGTCCCGCAGCAGCATGTCTTTGAGAGACAGGTCCAGCTCAGTCAGGGTCA
GAACGTGGTTCATCAAAGTTAAACCGCCATCAAAGTCTGGCTCTGCCAGTGCCTCAGGGGCCAGCGGGGCTCTTT
GGAAGAATATGAGGACACCCCCCTGGAGTGACCAAAGGCCCGGGAAGGTGAAGGTGAGCCCCCTCGGGGACAGCT
GCAGCCCTCGAGGCCAACAAGAGCCAGGGGGACCTGCAGTGTGGAAGATCCTCTTCTGGTCTGCCAGAAGGAGCC
TGGTAAGCCCAGGATGGTGAAGTCAGTGGGCAGTGTGGGCGACAGCCCCCTGGGAGCCCCGCGGACAGTCAGTGA
GAGCGTGATTGCCGTCAAGGCGAGCTTCCCATCCTCCGCTCTGCCCCACGCACTGGCGTGGCCCTGGGCCGGAA
GCTGGGTTTCTCATTCCGTGGCCAGCTGTGCTCCACAGCTCCTTGGGGACAGGAGAGTAGATGCTGGCCACACAGA
TCAGCCAGTTCCGTCTGGCTCAGTGGGGGGTCCCGCCAGACCGGCTCAGGACCCAGGCAGGCCCCGGGAGGCCTC
GCTGGTTGTGACCTGTGCAACTAACAAGTTCGGGAAAACAATAAAATGGGTGGCTGCCTCCTCGAAGAGTCC
CCGGGTTGCTCGGAGGGCCCTCAGTCCAGAGTGGCTGCAGAGAATGTGTGCAAGGCCTCTGCTGGCATGGCAAA
CAAGGTGGAGAAGCCGCAGCTCATAGCTGACCCAGAGCCCAAGCCAGGAAGCCAGCCACGTCTCCAAGCCAGG
GTCTGCCCCCAGCAAGTACAAGTGAAGGCCTCCAGCCCCCTCTGCCTCCTCCTCTTCTCCTTCCGTTGGCAGTC
GGAGGCCGGCAGCAAGGACCATGCCTCCCAGCTCTCCCCAGTCTGTCTAGGTCCCCGTGCGGGGACAGACCAGC
AGTAGGACACAGTGGCTTGAAGCCCCTCTCTGGGGAGACCCCGCTCTCGGCTTACAAAGTGAAGAGCCGCACCAA
GATCATCCGGAGACGCGGCAGCACAAAGCCTTCTGGAGACAAGAAAAGCGGCACCTCACCTGCCGCCACCGCCAA
GAGCCACCTCAGCCTCCGGCGGAGACAGGCCCTCAGGGGGAAGAGCAGCCCTGTCTCTGAAGAAGACCCCCAACAA
GGCCTGGTACAGGTACCACGCACCGACTATGTGCGCTGCCACCGAGCCGGGCCACCTCCCCACCAAGGAAGC
GTCCAGCCTGCATGCTGTGCGGACTGCACCCACCAGCAAGGTGATCAAGACCCGCTACCGCATTGTCAAGAAGAC
GCCGGCCTCGCCTCTCAGCGCCCCGCCCTTCCCCCTGTCTCTGCCCTCCTGGCGGGCCCGGGGCTCTCACTATC
CAGTCCCTGGTGTGAACCGCTGCGTCCAGTTGCCAGCGGGGTGGGAAAGCCCAACCGGGCTCCCCTTGGTG
GCGGAGCAAAGGCTACCGCTGCATCGGAGGGGTCTCTACAAAGTATCTGCCAACAAGCTCTCCAAGACCTCCGG
CCAGCCCAGTGATGCGGGCAGCAGGCCCTCCTGCGCACAGGCCGGCTGGATCCTGCAGGCAGCTGTAGCCGTTT
CCTGGCCAGCCGGGAGTGCAGCGCAGCCTGGCCATCATCCGGCAGGCGCGGCAGCGCAGGGAGAAGAGGAAGGA
GTACTGCATGTACTACAACCGCTTCGGCAGGTGCAACCGTGGCGAGCGCTGCCCTACATCCACGATCCCGAGAA
GGTGGCCGTGTGCACCAGGTTTGTCCGGGGCACCTGCAAGAAAACGGATGGGACCTGCCCTTCTCCCACCATGT
GTCCAAGGAGAAGATGCCGGTGTGCTCCTACTTCTGAAGGGCATCTGCAGCAACAGCAACTGTCCCTATAGCCA
CGTGTACGTGTCCCGCAAGGCCGAGGTCTGCAGCGACTTCTCAAAGGCTACTGCCCCCTGGGTGCAAAGTGCAA
GAAGAAACACACGCTGCTGTGCCCCGACTTTGCCCGCAGGGGGGCGTGTCCCCCGGGCGCCAGTGCCAGCTGCT
CCACCGTACCCAGAAACGCCACAGTCGGCGGGCAGCCACGTCCCCCGCCCCAGGGGCCAGCGACGCAACCGCCAG
GAGCAGGGTCTCGGCCAGCCACGGGCCAGGAAGCCTTACGATCCCAGCGCCCCACCGAGCAGACGCCAGCTC
GGCTGCCCTCACTGCGGCTGCCGTGGCTGCACCTCCCCACTGCCAGGGGGGTGAGCCTCTCCCTCATCTCGAA
GGCTTCTCCTCCTCCTCCTCCTCATCCCCCTCCGCTTCTTGGACCACGAGGCACCATCTCTCCAGGAGGC
TGCCCTTAGCAGCAGCTGCTCCAACAGGCTCTGCAAGCTGCCTTCTTCTATCTCCCTGCAGTCTCTCGCCGAGCCC
AGGAGCCCAGCCCAGGGTCCGGGCCCTAGGGCCCCCTCACCAAGGACTCAGGGAAGCCTCTGCACATCAAACC
ACGTCTGTGAGGACCCAGGGACCGGCTGCACCTACCTCAGACCCTCATCCTTGGAGAGGAAAGAGGCTCTGTG
CACCCTCTACCCACAGGAGGGCCGCCGCCACCAAGCCTCACCTGGGGGCCACAGGGACACTGCTCTGCCTGC
CTGGCCCTCAACCTTCCATGACAGCGTGTGCGCAGGGCCTGGTCTTCTCCCCCAAGCCAGGCCCCCTGTCCCCA
CCCCACACCTTCCAGGTGCCAGGCAGGGCTGGCCTCCAGGCCTGTCCCCGACTGCCATTGGCAACAGTGGCCCC
TGCAGCCCCCAGCCCTCCCCACCAAGGTTTTTCGGCCAGTGAAGAGGCCACTGGCCAGGCCTCCAGGCAGGTGT
TTTATGTTTCAGCAATAAAGGTTCTATCCGT

2846/6881
FIGURE 2624

MEEKEILRRQIRLLQGLIDDYKTLHGNAAPGTPAASGWQPPTYHSGRAFSARYPRPSRRGYSSHHGPSWRKKYS
LVNRPPGPSDPPADHAVRPLHGARGGQPPVPQQHVLERQVQLSQGQNVVIVKVKPPSKSGSASASGAQRGSLEEF
ETPWSQDRPREGEGEPFRGQLQPSRPTTRARGTCSVEDPLLVCQKEPGKPRMVKSVGSGVGDSPREPRRTVSESVIA
VKASFPSSALPPRTGVALGRKLGSHSVASCAPQLLGDRRVDAGHTDQPVPSGSGVGGPARPASGPRQAREASLVVT
CRTNKFRKNYKWAASSKSPRVARRALSPRVAAENVCKASAGMANKVEKPQLIADPEPKPRKPATSSKPGSAPS
KYKWKASSPSASSSSSFRWQSEASSKDHASQLSPVLSRSPSGDRPAVGHSGLKPLSGETPLSAYKVKSRTKIIRR
RSSTSLPGDKKSGTSPAATAKSHLSLRRRQALRGKSSPVLKKTTPNKGLVQVTTHRLCRLPPSRAHLPTKEASSLH
RRGFLQSIQQALQDLRPAQ

2847/6881
FIGURE 2625

CTCCTGCGCACGCGGCCCGGTCTGCTGTCGGAAGCGGCTGTGCGGGTGGCGGCCGGCGCGCGGTGGGGCATGGCGG
GTTTCGCGGGGTGCGGGGCGCACGGCGGCGCCGAGCGTGCGGCCGGAGAAGCGGCGGTCTGAGCCCGAACTGGAGC
CTGAGCCCGAGCCGGAGCCCCCTCCTCTGCACCTCTCCTCTCAGCCACAGCACCGGCAGCGATTCTGGCGTCT
CCGACAGCGAGGAGAGTGTGTTCTCAGGCCTGGAAGATTCCGGCAGTGACAGCAGTGAGGATGATGACGAAGGCG
ACGAGGAGGGAGAGGACGGAGCCCTTGATGACGAGGGCCACAGTGGGATTAAAAAGACCACTGAGGAGCAGGTGC
AGGCCAGCACTCCTTGCCCGAGGACAGAGATGGCGAGCGCCCGGATTGGGGATGAGTATGCGGAGGACAGCTCTG
ATGAGGAGGACATCCGGAACACGGTGGGCAACGTGCCCTTGAGTGGTACGATGACTTCCCCACGTGGGCTACG
ACCTGGATGGCAGGCGCATCTACAAGCCCTGCGGACCCGGGATGAGCTGGACCAGTTCTTGACAAGATGGACG
ATCCTGACTACTGGCGCACCGTGCAGGACCCGATGACAGGGCGGGACCTGAGACTGACGGATGAGCAGGTGGCCC
TGGTGCGGCGGCTGCAGAGTGGCCAGTTTGGGGATGTGGGCTTCAACCCCTATGAGCCGGCTGTGCACTTCTTCA
GCGGGGACGTCATGATCCACCCGGTGACCAACCGCCCGGCGACAAGCGCAGCTTCATCCCCTCCCTGGTGGAGA
AGGAGAAGGTCTCTCGCATGGTGCACGCCATCAAGATGGGCTGGATCCAGCCTCGCCGGCCCCGAGACCCCAACC
CCAGCTTCTATGACCTGTGGGCCAGGAGGACCCCAACGCCGTGCTCGGGCGCCACAAGATGCACGTACCTGCTC
CCAAGCTGGCCCTGCCAGGCCACGCCGAGTCGTACAACCCACCCCTGAATACCTGCTCAGCGAGGAGGAGCGCT
TGGCGTGGGAACAGCAGGAGCCAGGCGAGAGGAAGCTGAGCTTTTGGCCACGCAAGTTCCCGAGCCTGCGGGCCG
TGCCTGCCTACGGACGCTTCATCCAGGAACGCTTCGAGCGCTGCCTTGACCTGTACCTGTGCCACGGCAGCGCA
AGATGAGGGTGAATGTAGACCCTGAGGACCTCATCCCCAAGCTGCCTCGGCCGAGGGACCTGCAGCCCTTCCCCA
CGTGCCAGGCCCTGGTCTACAGGGGCCACAGTGACCTTGTCCGGTGCCTCAGTGTCTCTCTGGGGGCCAGTGGC
TGGTTTCAGGCTCTGACGACGGCTCCCTGCGGCTCTGGGAGGTGGCCACTGCCCGCTGTGTGAGGACTGTTCCCG
TGGGGGGCGTGGTGAAGAGTGTGGCCTGGAACCCAGCCCCGCTGTCTGCCTGGTGGCTGCAGCCGTGGAGGACT
CGGTGCTGCTGCTGAACCCAGCTCTGGGGGACCGGCTGGTGGCGGGCAGCACAGATCAGCTGTTGAGCGCCTTCG
TCCCGCTGAGGAGCCCCCTTGACGCCGGCCCGCTGGCTGGAGGCCTCAGAGGAGGAGCGCCAAGTGGGCCTGC
GGCTGCGCATCTGCCACGGGAAGCCAGTGACGCAGGTGACCTGGCACGGGCGTGGGGACTACCTGGCCGTGGTGC
TGGCCACCCAAGGCCACACCCAGGTGCTGATTACCAGCTGAGCCGTCGCCGCAGCCAGAGTCCGTTCCGCCGCA
GCCACGGACAGGTGCAGCGAGTGGCCTTCCACCCTGCCCGGCCCTTCCTGTTGGTGGCGTCCCAGCGCAGCGTCC
GCCTCTACCACCTGCTGCGCCAGGAGCTACCAAGAAGCTGATGCCCAACTGCAAGTGGGTGTCCAGCCTGGCGG
TGCACCCCTGCAGGTGACAACGTCTCTGTGGGAGCTACGATAGCAAGCTGGTGTGGTTTGACCTGGATCTTTCCA
CCAAGCCATACAGGATGCTGAGACACCACAAGAAGGCTCTGCGGGCTGTGGCCTTCCACCCGCGGTACCCACTCT
TTGCGTCAGGCTCGGACGACGGCAGTGTCTCTGTCGATGGCATGGTGTACAATGACCTTCTGCAGAACCCT
TGCTGGTGGCCGTCAAGGTGCTGAAGGGACACGTGCTGACCCGAGATCTGGGAGTGTGGACGTATCTTCCACC
CCACCCAGCCGTGGGTCTTCTCCTCGGGGGCAGACGGGACTGTCCGCTCTTACCTAGCTGTTCTGCCTGCCTG
GGGCTGGGGTGGTGTGCTGAAGTCAACAGAGCCTTTACCCTGTGCTGCCTGGTGTCTCCACCTTCTGAATTGG
GGTTGCCAACAAAGCCGCCCCCACCACA

2848/6881
FIGURE 2626

GCCCGTTGCAAGATGGCGGGCGGCCATGCTGGGCCCCGGGGCTGTGTGTGCGCAGCGGGCGGCGGCGCGGCCCGGA
AGGCTGGCGCGGGCAGCGCGTTAGCCCCGGCCCTCGGCCCCCTCTTTGCGGGCCGCTCCCTCCGCTATTCCCTCCTT
GCTCGAGATGGATCTGCCCCGTGGGCCCCGGCGCGGGGGCCAGCAACGTCCCGGCTTCCTGACCAAGCTGTG
GACCTTCGTGAGCGACCCGGACACCGACGCGCTCATCTGCTGGAGCCCCGAGCGGGAACAGCTTCACGTGTTGGA
CCAGGGCCAGTTTGGCAAGGAGGTGCTGCCCAAGTACTTCAAGCACAAACATGGCCAGCTTCGTGCGGCAGCT
CAACATGTATGGCTTCGGAAGTGGTCCACATCGAGCAGGGCGGCCTGGTCAAGCCAGAGAGACGACACGGA
GTTCCAGCACCCATGCTTCCTGCGTGGCCAGGAGCAGCTCCTTGAGAACATCAAGAGGAAAGTGACCAGTGTGTC
CACCTGAAGAGTGAAGACATAAAGATCCGCCAGGACAGCGTCACCAAGCTGCTGACGGACGTGCAGCTGATGAA
GGGAAGCAGGAGTGCTGACTCCAAGCTCCTGGCCATGAAGCATGAGAATGAGGCTCTGTGGCGGGAGGTGGC
CAGCCTTCGGCAGAAGCATGCCCAGCAACAGAAAGTCGTCAACAAGCTCATTGAGTTCCTGATCTCACTGGTGCA
GTCAAACCGGATCCTGGGGGTGAAGAGAAAGATCCCCCTGATGCTGAACGACAGTGGCTCAGCACATTCCATGCC
CAAGTATAGCCGGCAGTTCTCCCTGGAGCAGTCCACGGCTCGGGCCCCCTACTCGGCCCCCTCCCCAGCCTACAG
CAGCTCCAGCCTCTACGCCCTGATGCTGTGGCCAGCTCTGGACCCATCATCTCCGACATCACCAGCTGGCTCC
TGCCAGCCCCATGGCCTCCCCCGGCGGGAGCATAGACGAGAGGCCCTATCCAGCAGCCCCCTGGTGCCTGTCAA
GGAGGAGCCCCCAGCCCGCTCAGAGCCCCCGGCTAGAGGAGGCGAGTCCCGGGCGCCCATCTTCGCTGGACAC
CCTCTTGTCCCCGACCGCCCTCATTGACTCCATCCTGCGGGAGAGTGAACCTGCCCCCGCCTCCGTCACAGCCCT
CACGGACGCCAGGGGCCACACGGACACCGAGGGCCGGCTTCCTTCCCCCGCCACCTCCACCCATGAAAAGTG
CTTCAGGGTAGCCTGCCTGGACAAGAATGAGCTCAGTGACCACTTGGATGCTATGGACTCCAACCTGGATAACCT
GCAGACCATGCTGAGCAGCCACGGCTTCAGCGTGGACACCAAGTGCCCTGCTGGACCTGTTGAGCCCCCTCGGTGAC
CGTGCCCGACATGAGCCTGCCTGACCTTGACAGCAGCCTGGCCAGTATCCAAGAGCTCCTGTCTCCCCAGGAGCC
CCCCAGGCCTCCCCGAGGCAGAGAACAGCAGCCCGGATTGAGGGAAGCAGCTGGTGCCTACACAGCGCAGCCGCT
GTTCTGCTGGACCCCGGCTCCGTGGACACCGGGAGCAACGACCTGCCGGTGCTGTTTGAGCTGGGAGAGGGCTC
CTACTTCTCCGAAGGGGACGGCTTCGCCGAGGACCCACCATCTCCCTGCTGACAGGCTCGGAGCCTCCCAAAGC
CAAGGACCCCACTGTCTCCTAGAGGCCCGGAGGAGCTGGGCCAGCCGCCACCCCAAGTGCAGGGCTG
GTCTTGGGGAGGCAGGGCAGCTCGCGGTCTTGGGCACTGGTGGGTGGCCGCCATAGCCCCAGTAGGACAAACG
GGCTCGGGTCTGGGCAGCACCTCTGGTCAGGAGGGTCACCCTGGCCTGCCAGTCTGCCTTCCCCAACCCGTGT
CCTGTGGTTTGGTTGGGGCTTCACAGCCACACCTGGACTGACCCTGCAGGTTGTTGATAGTCAGAAATTGATTTT
GGATTTTACACAACCTGTCCCGTTCCTCGCTCCACAGAGATACACAGATATATACACACAGTGGATGGACGGACA
AGACAGGCAGAGATCTATAAACAGACAGGCTCT

2849/6881
FIGURE 2627

GAAGCTCTGGGAAGGGGATGCCCCGAGGGTGCCAGTCCAGCTAGCTGCCCCACCCCTCAGGCCCAGCCTGGCCC
CCAAGCTCCCCACTCTGGTGCCCCGAGCAGCCCTGTGGGCAAGCAGCCGCCGCCATGGCCGAGCACCTGGAGCTG
CTGGCAGAGATGCCCATGGTGGGCAGGATGAGCACACAGGAGCGGCTGAAGCATGCCAGAAGCGGCGCGCCCAG
CAGGTGAAGATGTGGGCCCAGGCTGAGAAGGAGGCCCAGGGCAAGAAGGGTCCTGGGGAGCGTCCCCGGAAGGAG
GCAGCCAGCCAAGGGCTCCTGAAGCAGGTCTCTTCCCTCCCAGTGTTGTCCTTCTGGAGGCGCTGCCCGAAAT
GACCTGGAAGAAGTCCGCCAGTTCCTTGGGAGTGGGGTCAGCCCTGACTTGGCCAACGAGGACGGCCTGACGGCC
CTGCACCAAGTGCTGCATTGATGATTTCCGAGAGATGGTGCAGCAGCTCCTGGAGGCTGGGGCCAACATCAATGCC
TGTGACAGTGAGTGCTGGACGCCTCTGCATGCTGCGGCCACCTGCGGCCACCTGCACCTGGTGGAGCTGCTCATC
GCCAGTGGCGCCAATCTCCTGGCGGTCAACACCGACGGGAACATGCCCTATGACCTGTGTGATGATGAGCAGACG
CTGGACTGCCTGGAGACTGCCATGGCCGACCGTGGCATCACCCAGGACAGCATCGAGGCGCGCCGGGCGCTGCCA
GAACTGCGCATGCTGGACGACATCCGGAGCCGGCTGCAGGCCGGGGCAGACCTCCATGCCCCCTGGACCACGGG
GCCACGCTGCTGCACGTGCGCAGCCGCCAACGGTTTCAGCGAGGCGGCTGCCCTGCTGCTGGAACACCGAGCCAGC
CTGAGCGCTAAGGACCAAGACGGCTGGGAGCCGCTGCACGCCGCGGCTACTGGGGCCAGGTGCCCTGGTGGAG
CTGCTCGTGGCGCACGGGGCCGACCTGAACGCAAAXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXGAGGTGCGGGCCAAGCTTCTGGAAGTGAACACAAGCACGACGCCCTCCTGCGCGCCCAGAGCCGCCAGCGC
TCCTTGCTGCGCCGCCGACCTCCAGCGCCGGCAGCCGCGGGAAGGTGGTGAAGCGGGTGAGCCTAACCCAGCGC
ACCGACCTGTACCGCAAGCAGCACGCCCCAGGAGGCCATCGTGTGGCAACAGCCGCCGCCACCAGCCCGGAGCCG
CCCGAGGACAACGATGACCGCCAGACAGGCGCAGAGCTCAGGCCGCCGCCCGGAGGAGGACAACCCCGAAGTG
GTCAGGCCGCACAATGGCCGAGTAGGGGGCTCCCCAGTGCGGCATCTATACTCCAAGCGACTAGACCGGAGTGTC
TCCTACCAGCTGAGCCCCCTGGACAGCACCACCCCCACACCCTGGTCCACGACAAGGCCACCACACCCTGGCT
GACCTGAAGCGCCAGCGAGCTGCTGCCAAGCTGCAGCGACCCCCACCTGAGGGGCCCCGAGAGCCCTGAGACAGCT
GAGCCTGGCCTGCCTGGTGACACGGTGACCCCCCAGCCTGACTGTGGCTTCAGGGCAGGCGGGGACCCACCCCTG
CTCAAGCTCACAGCCCCGGCGGTGGAGGCTCCCGTGGAGAGGAGGCCGTGCTGCCTGCTCATGTGAGGCTGTTGC
TCAGCATGCAGGGGCCCTGTCTCGGGCACAGCCCAAGGCTGCCTCCCCACGGTGCGTGCCCTGGTGCTGCGGGTG
CAGCACGGAACCCCGGCTTCTACTGTACAGGACACTGGCCCTCTCAGGTGAGAAGACATGCCTGGAGGGATGT
CTGGCTGCAAAGACTATTTTTATCTGCAACTCTTGATAAAGGGCTGTTTTGCCATGG

2850/6881
FIGURE 2628

GACCTGAAGCGCCAGCGAGCTGCTGCCAAGCTGCAGCGACCCCCACCTGAGGGGGCCCGAGAGCCCTGAGACAGCT
GAGCCTGGCCTGCCTGGTGACACGGTGACCCCCCAGCCTGACTGTGGCTTCAGGGCAGGCGGGGACCCACCCCTG
CTCAAGCTCACAGCCCCACGGTGCGTGCCCTGGTGCTGCGGGTGCAGCACGGAAACCCCGGCTTCTACTGTACAG
GACACTGGCCCCCTCTCAGGTCAGAAGACATGCCTGGAGGGATGTCTGGCTGCAAAGACTATTTTAA

2851/6881
FIGURE 2629

ATGGTCACCATGGAGCCCGGGTACCTGTTTCTGGGTTCTCGCCTGGGCAATTCCCTCCTCCTCAAGTACACGGAG
AAGCTGCAGGAGCCCCCGGCCAGTGTCTGTCCTGAGGCTGCCGACAAGGAAGAGCCTCCCTCAAAGAAGAAGCGA
GTGGATGCGACGGCCGGCTGGTCAGCTGCGGGTAAGTCGGTGCCGACAGGATGAGGTGGACGAGATTGAAGTGTAC
GGCAGCGAGGCCAGTTCGGGAACACAGCTGGCCACCTACTCCTTTGAGGTGTGTGACAGCATCCTGAACATTGGA
CCCTGTGCCAATGCCGCCGTGGGCGAACCTGCCTTCTCTCTAAAGAGTTTCAGAACAGCCCCGAGCCGGACCTG
GAGATTGTGGTTTGTCTCCGGCCACGGGAAGAACGGGGCTTTGTGCGGTGCTGCAGAAGAGCATCCGGCCCCAGGTG
GTGACAACATTTGAGCTTCCCGGTGCTATGACATGTGGACAGTCATCGCCCCGGTGCGTAAGGAGGAGGAGGAC
AATCCCAAGGGGGAGGGCACAGAGCAGGAACCCAGCACCACCCCTGAAGCAGACGACGACGGCCGACACCGGA
TTCTTGATTCTGAGCCGGGAAGACTCCACCATGATCCTGCAGACGGGGCAGGAGATCATGGAGCTGGACACCAGT
GGCTTCGCCACTCAGGGCCCCACGGTCTTTGCTGGGAACATCGGGGACAACCGCTACATTGTCCAAGTGTACCA
CTGGGCATCCGCTGCTGGAAGGAGTGAATCAGCTGCATTTCATCCCCGTGGACCTGGGCGCCCCCATCGTGCAG
TGCGCCGTGGCCGACCCCTATGTGGTCATCATGAGTGCCGAGGGCCACGTACCATGTTTCTGCTGAAGAGTGAC
TCCTACGGTGGCCGCCACCACCGCCTGGCGCTGCACAAGCCCCGCTGCACCATCAGTCCAAGGTGATTACGCTG
TGCCTGTACCGAGACCTCAGCGGCATGTTACCACTGAGAGCCGCTGGGTGGGGCCCCGTGACGAGCTCGGGGGC
CGCAGTGGCCCCGAGGCCGAGGGCTGGGCTCAGAGACTAGCCCCACAGTGGATGACGAGGAGGAGATGCTGTAT
GGGGATTTCGGGCTCCCTCTTCAGCCCCAGCAAGGAGGAGGCCCGAAGAAGCAGCCAGCCCCCTGCTGACCGGGAC
CCTGCACCCCTCCGGGCAGAGCCTACCCACTGGTGCCTGCTGGTGGGGAGAATGGCACCATGGAGATCTACCAG
CTTCCCGACTGGCGGCTGGTGTCTCTGGTGAAGAACTTCCCTGTGGGGCAGCGGGTCTTGTGGACAGCTCCTTT
GGACAGCCCACTACACAGGGCGAGGCCCGCAGGGAGGAGGCCACGCGCCAGGGGGAGCTGCCCCCTGTCAGGAG
GTGCTGCTGGTGGCGCTGGGCAGCCGCCAGAGCAGGCCCTACCTGCTGGTGCATGTGGACCAAGAGCTGCTTATC
TACGAGGCCCTTCCCCACGACTCTCAGCTCGGCCAGGGCAATCTCAAAGTCCGCTTTAAGAAGGTCCCTCACAAC
ATCAACTTCCGTGAGAAGAAGCCAAAGCCATCCAAGAAGAAAGCAGAAGGTGGCGGCGCAGAGGAGGGGGCTGGG
GCCCCGGGGCCTCGTGGCGCGTTTCCGCTACTTCGAGGATATTTATGGCTACTCAGGGGTCTTCATCTGCGGCCCC
TCCCTCACTGGCTCTTGGTGACCGGCCGAGGGGCTCTGCGGCTACACCCCATGGCCATCGACGGCCCCGGTCGAC
TCTTTCGCTCCATTCCACAATGTCAACTGTCCCCGCGGCTTCTGTACTTCAACAGACAGGGCGAGCTGAGGATC
AGTGTCTCTGCCTGCCTACCTGTCTATGATGCCCCATGGCCTGTGAGGAAGATCCCGCAGCGTTGCACGGCCAC
TATGTGGCTTACCACGTGGAGTTTAAGGTGTATGCTGTGGCCACCAGCACCACACGCCGTGTGCCCCGATCCCCA
CGCATGACTGGCGAGGAGAAGGAGTTTGAGACCATCGAGAGAGATGAGCGGTACATCCACCCCCAGCAGGAGGCC
TTCTCCATCCAGCTCATCTCCCCGCTCAGCTGGGAGGCTATTCCCAATGCCAGGATCGAGCTGCAGGAGTGGGAG
CATGTGACCTGCATGAAGACAGTGTCTCTGCGCAGTGAGGAGACCGTGTGCGGGCTCAAAGGCTACGTGGCCGCC
GGGACCTGCCTCATGCAGGGGGAGGAGGTACGTGCCGAGGGCGGATCTTGATCATGGATGTGATTGAGGTGGTG
CCCCGAGCCTGGCCAGCCCTTGACCAAGAACAAGTTCAAAGTCTTTACGAGAAGGAGCAGAAGGGGGCCGTGACC
GCCCTGTGCCACTGCAATGGCCACCTGGTGTGCGCCATCGGCCAGAAGATTTTCTGTGGAGCCTGCGGGCCAGC
GAGCTGACGGGCATGGCCTTCATCGACACGCAGCTCTACATACACCAGATGATCAGCGTCAAGAACTTCATCCTG
GCAGCCGACGTATGAAGAGCATTTTCGCTGCTGCGCTACCAGGAGGAAAGCAAGACGCTGAGCCTGGTGTGCGGG
GATGCCAAGCCCCCTGGAGGTGTACAGCGTGGACTTCATGGTGGACAATGCCAGCTGGGTTTTCTGGTGTCTGAC
CGCGACCGCAACCTCATGGTGTACATGTACCTGCCCCAAGCCAAGGAGAGTTTCGGGGGCATGCGCCTGCTGCGT
CGGGCAGACTTCCACGTGGGTGCCACGTGAACACGTTTTTGAGGAGCCCCGTGCCGGGGGGCCACTGAAGGGCTC
AGCAAAAAGTCGGTGTGTGGGAGAATAAGCACATCACGTGGTTTTGCCACCCCTGGACGGCGGCATCGGGCTGCTG
CTGCCCATGCAGGAGAAGACCTACCGGCGGCTGCTGATGCTGCAGAACGCGCTGACCACCATGCTGCCACACCAC
GCCGGCCTCAACCCCCGCGCTTCCGGATGCTGCACGTGGACCGCCGACCCCTCCAGAATGCCGTGCGCAACGTG
CTGGATGGGGAGCTGCTCAACCGCTACCTGTACCTGAGCACCATGGAGCGCAGCGAGGTAGCCAAGAAGATCGGC
ACCACACCAGACATAATCCTGGACGACTTGTGAGACGGACCGCGTACCGCCCACTTCTAGCCCCGTGGATGC
CGTACACCACGACACCGGAACCTACCTCCACCCCTTTTTTGTACAAAACACAAGGAAAAACATTTTTTGC

2852/6881
FIGURE 2630

MYAVYKQAHPPPTGLEFSMYCNFFNNSEARNLVVAGTSQLYVYRLNRDAEALTKNDRSTEGKAHREKLELAASF SFF
GNVMSMASVQLAGAKRDALLLSFKDAKLSVVEYDPGTHDLKTL SLHYFEEPELRDGFVQNVHTPRVRVDPDGRCA
AMLVYGTRLVVLFPFRRESLAEHEGLVGEGQRSSFLPSYIIDVRALDEKLLNIIDLQFLHGYEPTLLILFEPNQ
TWPGRVAVRQDTC SIV AISL NITQKVHPVIWSLTS LFPDCTQALAVPKPIGGVVVFAVNSLLYLNQSVPPYGVAL
NSLTTGTTAFPLRTQEGVRITLDCAQATFISYDKMVISLKGGEIYVLT LITDGMRSVRAFHFDKAAASVLT TSMV
TMEPGYLFLGSR LGNSLLKYTEKLQEPPASAVREAADKEEPPSKKKRVDATAGWSAAGKSV PQDEVDEIEVYGS
EAQSGTQLATYSFEVCD SILNIGPCANAAVGEP AFLSKEFQNSPEPDLEIVVCSGHGKNGALS VLQKSIRPQVVT
TFELPGCYDMWTVIAPVRKEEEDNPKGEGTEQEPSTTPEADDDGRRHGFLILSREDSTMILQTGQEIMELDTSGF
ATQGPTVVFAGNIGDNRYIVQVSPLGIRLLEGVNQLHFIPVDLGAPIVQCAVADPYV VIMS AEGHVTMFLKSDSY
GGRHHR LALHKPPLHHQSKVITLCLYRDL SGMFTTESRLGGARDELGGRSGPEAEGLGSETSP TVDDEEEMLYGD
SGSLFSPSKEEARRSSQPPAD RDPAPFRAEP THWCLLVRENGTMEIYQLPDWRLVFLVKNFPV GQRVLVDS SFGQ
PTTQGEARREEATRQGE LPLVKEVLLVALGSRQSRPYLLVHVDQELLIYEAFPHDSQLGQGNLKVRFKKVPHNIN
FREKKPKPSKKKAEGGGAE EGAGARGLVARFRYFEDIYGYSGVFICGPSPHWLLVTGRGALRLHPMAIDGPVDSF
APFHNVCNPRGFLYFN RQGELRISVLPAYLSYDAPWPVRKIPQRCTAHYVAYHVEFKVYAVATSTNTPCARIPRM
TGEEKEFETIERDERYIHPQQEAFSIQLISPVSWEAIPNARIELQEW EHVTCMKT VSLRSEETVSGLKGYVAAGT
CLMQGEEVTCRGRILIMDVIEVVPEPGQPLTKNKFVLYEKEQKGPVTALCHCNGHLVSAIGQKIFLWSLRASEL
TGMAFIDTQLYIHQMISVKNFILAADVMKSISLLRYQEESKTL SLVSRDAKPLEVYSVDFMVDNAQLGFLVSDRD
RNLVMYMYLPEAKESFGGMRLRRADFHVG AHVNTFWRTPCRGATEGLSKKSVWENKHITWFATLDGGIGLLLP
MQEKT YRRLMLQNALTTMLPHHAGLNPRAFRMLHVD RRTLQNAVRNVLDGELLNRYLYLSTMERSEVAKKIGTT
PDIILDDLLETDRVTAHF

2853/6881
FIGURE 2631

AATGGACGAGAGAGGCGGCCGTCCATTAGTTAGCGGCTCCGGAGCAACGCAGCCGTTGTCCTTGAGGCCGACGGG
CCTGACGCGGGCGGGTTGAACGCGCTGGTGAGGCGGTACCCGGGCTACGGCGGCCGGCAGGGGGCAGTGCGCGC
CGTTGTCTAGGGCCCGGAGGTGGGGCCGCGCGCCTCGGGCGCTACGAACCCGGCAGGCCACGCTTGCTGCGGC
CGGGTGCGGGCTGAGGCCATGGGCGACCGCGGCAGCTCCCCGGCGCCGAGGACAGGGTCGCGGCCCTCGAGCCAC
GGCGGCGGCGGGCCTGCGGCGGGCGGAAGAGGAGGTGCGGGACGCCGCTGCGGGCCCCGACGTGGGAGCCGCGGGG
GACGCGCCAGCCCCGGCCCCCAACAAGGACGGAGACGCCGGCGTGCGGAGCGGCCACTGGGAGCTGAGGTGCCAT
CGCTGCAGGATTCTTTATTTCAGCTCTGACAGTGCTTCAGCAACTACCGTGGCATCCTGAACTGGTGTGTGGTG
ATGCTGATCTTGAGCAATGCCCGGTTATTTCTGGAGAACCTCATCAAGTATGGCATCCTGGTGGACCCCATCCAG
GTGGTTTCTCTGTTCCCTGAAGGATCCCTATAGCTGGCCCCGCCCATGCCTGGTTATTGCGGCCAATGTCTTTGCT
GTGGCTGCATTCCAGGTTGAGAAGCGCCTGGCGGTGGGTGCCCTGACGGAGCAGGCGGGACTGCTGCTGCACGTG
GCCAACCTGGCCACCATTCTGTGTTTCCAGCGGCTGTGGTCTTACTGGTTGAGTCTATCACTCCAGTGGGCTCC
CTGCTGGCGCTGATGGCGCACACCATCCTCTTCTCAAGCTCTTCTCCTACCGCGACGTCAACTCATGGTGCCGC
AGGGCCAGGGCCAAGGCTGCCTCTGCAGGGAAGAAGGCCAGCAGTGCTGCTGCCCCGCACACCGTGAGCTACCCG
GACAATCTGACCTACCGCGATCTCTACTACTTCTCTTCCCCCACCTTGTGCTACGAGCTCAACTTTCCCCGC
TCTCCCCGCATCCGGAAGCGCTTTCTGCTGCGACGGATCCTTGAGATGCTGTTCTTCACCCAGCTCCAGGTGGGG
CTGATCCAGCAGTGATGGTCCCCACCATCCAGAACTCCATGAAGCCCTTCAAGGACATGGACTACTCACGCATC
ATCGAGCGCCTCCTGAAGCTGGCGGTCCCCAATCACCTCATCTGGCTCATCTTCTTCTACTGGCTCTTCCACTCC
TGCTGAATGCCGTGGCTGAGCTCATGCAGTTTGGAGACCGGGAGTTCTACCGGGACTGGTGGAATCCGAGTCT
GTCACCTACTTCTGGCAGAACTGGAACATCCCTGTGCACAAGTGGTGCATCAGACACTTCTACAAGCCCATGCTT
CGACGGGGCAGCAGCAAGTGATGGCCAGGACAGGGGTGTTCTGGCCTCGGCCTTCTTCCACGAGTACCTGGTG
AGCGTCCCTCTGCGAATGTTCCGCCTCTGGGCGTTACGGGCATGATGGCTCAGATCCCCTGGCCTGGTTTCGTG
GGCCGCTTTTTCCAGGGCAACTATGGCAACGCAGCTGTGTGGCTGTGCTCATCATCGGACAGCCAATAGCCGTC
CTCATGTACGTCCACGACTACTACGTGCTCAACTATGAGGCCCCAGCGGCAGAGGCCTTGAGCTGCACCTGAGGGC
CTGGCTTCTCACTGCCACCTCACACCCGCTGCCAGAGCCCACCTCTCCTCCTAGGCCTCGAGTGCTGGGGATGGG
CCTGGCTGCACAGCATCCTCCTCTGGTCCCAGGGAGGCCTCTCTGCCCCATGAGGGCTCTGTCTGCACCCCTCA
GGGATGGCGACAGCAGGCCAGACACAGTCTGATGCCAGCTGGGAGTCTTGCTGACCCTGCCCCGGGTCCGAGGGT
GTCAATAAAGTGCTGTCCAGTG

2854/6881
FIGURE 2632

MGDRGSSRRRRRTGSRPSSHGGGGPAAAEVVRDAAAGPDVGAAGDAPAPAPNKG DGAGVGSGHWELRCHRLQDSL
FSSDSGFSNYRGILNWCVVMLILSNARLFLENLIKYGILVDPIQVVSLEFLKDPYSWPAPCLVIAANVF AVAAFQV
EKRLAVGALTEQAGLLLHVANLATILCFPAAVVLLVESITPVGSLLALMAHTILFLKLF SYRDVNSWCRRARAKA
ASAGKKASSAAAPH TVSYPDNLTYRDLYYFLFAPTLCYELNFP RSPRIRKRFLLRILEMLFFTQLQVGLIQQWM
VPTIQNSMKPFKDM DYSRIIERLLKLAVPNHLIWLIFFYWLFH SCLNAVAELMQFGDREFYRDWWNSESVTYFWQ
NWNIPVHKWCIRHFYK PMLRRGSSKWMARTGVFLASAFFHEYLVSVPLRMFRLWAF TGMMAQIPLAWFVGRFFQG
NYGNAAVWLSLIIGQPIAVLMYVHDYYVLN YEAPAAEA .

2856/6881
FIGURE 2634

MGRVIRGQRKGAGSVFRAHVKHRKGAARLRAVDFAERHGYIKGIVKDI IHDPGRGAPLAKVVFRDPYRFKKRTEL
FIAAEGIHTGQFVYCGKKAQLNIGNVLPVGTMPGEGTIVCCLEEKPGDRGKLARASGNYATVISHNPETKKTRVKL
PSGSKKVISSANRAVVGVVAGGGRIDKPILKAGRAYHKYKAKRNCWPRVRGVAMNPVEHPFGGGNHQHIGKPSTI
RRDAPAGRKVGLIAARRTGRLRGTKTVQEKEN

2857/6881
FIGURE 2635

GCGGCATGGGCAGTATCCGCCGCCATCCTCTTCCGTGAGGCGCGCTGAGACCCGGACCGGCCCTCCTGAGAGGAT
GCCGGTGCGGGCGCCCGCGGAGAGGGACCCGTCGCCATGGGCCGTGTGATCCGTGGACAGAGGAAGGGCGCCGGG
TCTGTGTTCCGCGCGCACGTGAAGCACCGTAAAGGCGCTGCGCGCCTGCGCGCCGTGGATTTGCTGAGCGGCAC
GGCTACATCAAGGGCATCGTCAAGGACATCATCCACGACCCGGGCCGCGGCGCGCCCTCGCCAAGGTGGTCTTC
CGGGATCCGTATCGGTTTAAGAAGCGGACGGAGCTGTTCAATTGCCGCCGAGGGCATTACACGGGCCAGTTTGTG
TATTGCGGCAAGAAGGGCCAGCTCAACATTGGCAATGTGCTCCCTGTGGGCACCATGCCTGAGGGTACAATCGTG
TGCTGCCTGGAGGAGAAGCCTGGAGACCGTGGCAAGCTGGCCCGGGCATCAGGGAACATGCCACCGTTATCTCC
CACAACCCTGAGACCAAGAAGACCCGTGTGAAGCTGCCCTCCGGCTCCAAGAAGGTTATCTCCTCAGCCAACAGA
GCTGTGGTTGGTGTGGTGGCTGGAGGTGGCCGAATTGACAAACCCATCTTGAAGGCTGGCCGGGCGTACCACAAA
TATAAGGCAAAGAGGAACTGCTGGCCACGAGTACGGGGTGTGGCCATGAATCCTGTGGAGCATCCTTTTGGAGGT
GGCAACCACCAGCACATCGGCAAGCCCTCCACCATCCGCAGAGATGCCCCTGCTGGCCGCAAAGTGGGTCTCATT
GCTGCCCCCGGACTGGACGTCTCCGGGGAACCAAGACTGTGCAGGAGAAAGAGAACTTAGTGCTGAGGGCCTCAA
TAAAGTTTGTGTTTATGCCAAA

2858/6881
FIGURE 2636

MGRVIRGQKKGAGSVFRAHVKHKGAARLRAVDFAERHGYIKGIVKDI IHDPGRGAPLAKVVFRDPYRFKKRTEL
FIAAEGIHTGQFVYCGKKAQLNIGNVLPVGTIMPEGTIVCCLEEKPGDRGKLARASGNYATVISHNPETKKTRVKL
PSGSKKVISSANRAVVGVVAGGGRIDKPILKAGRAYHKYKAKRNCWPRVRGVAMNPVEHPFGGGNHQHIGKPSTI
RRDAPAGRKVGLIAARRTGRLRGTKTVQEKEN

2859/6881
FIGURE 2637

CTGTCTCCGGTCCGTGCCTCCAAGATGACAAAGAAAAGAAGGAACAATGGTCGTGCCAAAAAGGGCTGCGGCCAC
GTGCAGCCTATTCGCTGCACTAACTGTGCCCAGATGCATGCCCAAGGACAAGGCCATTAAGAAATTCGTCATTCTGA
AACATAGTGGAGGCCGCAGCAGTCAGGGACATTTCTGAAGCGAGCGTCTTCGATGCCTATGTGCTTQCCAAGCTG
TATGTGAAGCTACATTACTGTGTGAGTTGTGCAATTCACAGCAAAGTAGTCAGGAATCGATCTCGTGAAGTCCGC
AAGGACCGAACACCCCCACCCCGATTTAGACCTGCGGGTGCTGCCCCACGTCCCCACCAAAGCCCATGTAAGGA
GCTGAGTTCTTAAAGACTGAAGACAGGCTATTCTCTGGAGAAAAATAAAATGGAAATTGTACTT

2860/6881
FIGURE 2638

TTTTCCTGGGGGCAGCAGCCGGGCTGAGAGGAGAGTGGCTGTCTACTCTCTCCGCCATGGCGTGTGTCCGCCCAC
TGATGTCGCTGTACTCCGAAAAGGGGGAGTCATCTGGCAAAAATGTCACCTTAGCCCGCTGTATTCAAGGCTCCTA
TTCGACCAGACATCGTGAACCTTTGTTACACCAACTTGCGCAAAAACAACAGACAGCCCTACGCTGCCAGTGAAT
TAGCAGGTCATCGGACCAGCACTGAGTCTTGGGGTACTGGCAGAGCTGTGGCTCGAATCCCAGAGTTTCGAGGTG
GTGGGACTCACCGCTCCGGCCAGGGTGCTTTTGGAAACATGTGTCGTGGAGGCCGAAGGTTTGCACCAACCAAAA
CCTGGCGCCGTGGGCATCGTAGAGTGAACACAACCCAAAAACGGTATGCCATCTGTTCTGCCCTGGCTGCCTCAG
CCCTACCAGCACTGGTCATGTCTAAAGGTCATCGTATTGAGGAAGTTCCTGAACTTCCTTTGGTAGTCGAAGATA
AAGTTGAAGGCTACAGGAAGACCAAGGAAGCTGTTTTGCTCCTTAAGAACTTAAAGCCAGGAACGATATCAAAA
AGGTCTATGCCTCTCAGCGAATGAGAGCTGGCAAAGGCAAAATGAGAAACCGTCGCCGTATCCAGCGCAGGGGCC
CGTGCAATCATCTATAATGAGGATAATGGTATCAAGGCCTTCAGAAACATCCCTGCAATTACTCTGCTTAATGTAA
GCAAGCTGACCATTTGGAAGCTTGCTCCTGGTGGGCACGTGGGACGTTTCTGCATTTGGACTGGAAGTGCTTTCC
GGAAGTTGGATGAATTGTATGGCACTTGGCGTAAAGCCGCTTCCCTCAAGAGTAACTACAATCTTCCCATGCACA
AGATGATTAATACAGATCTTAGCAGAATCTTGAAAAGCCCAGAGATCCAAAGAGCCTTTCGGGCACCAAGCAAGA
AGATTCATCGCAGAGTCCTAAAGAAGAACCCACTGAAAACTTGAGAATCATGTTGAAGCTAAACCCATATGCAA
AGACCATGCGCCGGAACACCATTTCTCGCCAGGCCAGGAATCACAAGCTCCGGATGGATAAGGCAGCTGCTGCTG
CAGCAGCACTAGAAGCCAAACCAGATGAGAAGGCGGCGTTGCAGGCAAGAAGCCTGTGGTAGGTAAGAAAGGAA
AGAAGGCTGCTGTTGGTGTGAAGAAGCAGAAGAAGCCTCTGGTGGGAAAAAAGGCAGCAGCTACCAAGAAATCAG
CCCCTGAAAAGAAGCCTGCAGAAAAGAAACCTACTGTAGAGGAAAAGAAGCCTGCTGCATTAACTCTTAAATTTG
ATTATTCCATAAAGGTCAAATCATTTGTGGACAGCTTCTTTGAATAAAGACCTGATTATACAGGCAGTGAGAAAC
A

2861/6881
FIGURE 2639

MCRGGRRFAPTKTWRRWHRRVNTTQKRYAICSALAASALPALVMSKGHRIEEVPELPLVVEDKVEGYRKTKEAVL
LLKKLKARNDIKKVYASQMRAGKGKMRNRRRIQRRGPCIIYNEDNGIKAFRNIPAITLLNVSKLTISK LAPGGH
VGRFCIWTGSAFRKLDELYGTWRKAASLKSNNLPMHKMINTDLSRILKSPEIQRAFRAPSKKIHRRVLKKNPLK
NLRIMLKLNPYAKTMRNNTILRQARNHKL RMDKAAAAAALEAKPDEKAAVAGKKPVVGKKGKKA AVGVKKQKKP
LVGKAAATKKSAPEKKPAEKKPTVEEKKPAALTILKFDYSIKVKS LWTASFE

2862/6881
FIGURE 2640

CTGAGTCTTGGGGTACTGGCAGAGCTGTGGCTCGAATTCCCAGAGTTCGAGGTGGTGGGACTCACCGCTCCGGCC
AGGGTGCTTTTGAAACATGTGTCGTGGAGGCCGAAGGTTTGCACCAACCAAAACCTGGCGCCGTTGGCATCGTA
GAGTGAACACAACCCAAAAACGGTATGCCATCTGTTCTGCCCTGGCTGCCTCAGCCCTACCAGCACTGGTCATGT
CTAAAGGTCATCGTATTGAGGAAGTTCCTGAACTTCCTTTGGTAGTCGAAGATAAAGTTGAAGGCTACAGGAAGA
CCAAGGAAGCTGTTTTGCTCCTTAAGAAATCAGCCCCTGAAAAGAAGCCTGCAGAAAAGAAACCTACTGTAGAGG
AAAAGAAGCCTGCTGCATTAACTCTTAAATTTGATTATTCCATAAAGGTCAAATCATTGTGGACAGCTTCTTTTG
AATAAAGACCTGATTATACAGGCAGTGAG

2863/6881
FIGURE 2641

AGAGCTGTGGCTCGAATTCAGAGTTCGAGGTGGTGGGACTCACCGCTCCGGCCAGGGTGCTTTTGAAACATG
TGTCGTGGAGGCCGAAGGTTTGCACCAACCAAAACCTGGCGCCGTTGGCATCGTAGAGTGAACACAACCCAAAAA
CGGTATGCCATCTGTTCTGCCCTGGCTGCCTCAGCCCTACCAGCACTGGTCATGTCTAAAGGTCATCGTATTGAG
GAAGTTCCTGAACTTCCTTTGGTAGTCGAAGATAAAGTTGAAGGCTACAGGAAGACCAAGGAAGCTGTTTTGCTC
CTTAAGAACTTAAAGCCAGGAACGATATCAAAAAGGCAGCAGCTACCAAGAAATCAGCCCCTGAAAAGAAGCCT
GCAGAAAAGAAACCTACTGTAGAGGAAAAGAAGCCTGCTGCATTAACCTTAAATTTGATTATTCCATAAAGGTC
AAATCATTGTGGACAGCTTCTTTTGAATAAAGACCTGATTATACAGGC

2864/6881
FIGURE 2642

AGTGGCGGTGTCTGTGATGGTCCGGAGCGAGGCCTCGGCCAATCTGGGTGGCGTGCCAGCGAGATTAAAGATGC
AGTACGCCACGGGGCCACTGCTCAAGTTCCAGATTTGTGTTTCCTGAGGTTATAGGCGGGTGTTTGAGGAGTACA
TGTGGGTTACTAGCCAGGGGTACCCAGACATCCGTATTGAAGGAGAGAATTACCTCCCTCAACCAATGTATAGAC
ACATAGCATCTTTCTGTCTAGTCTTCAAACCTAGTATTAATAGGCTTAATAATTGTTGGCAAGGATCCTTTTGCTT
TCTTTGGCATGCAAGCTCCTAGCATCTGGCAGTGGGGCCAAGAAAATAAGGTCTATGCATGTATGATGGTTTTCT
TCTTGAGCAACATGATTGAGAACCAGTGTATGTCAACAGGTGCATTTGAGATAACTTTAAATGATGTACCTGTGT
GGTCTAAGCTGGAATCCGGTCACCTTCCATCCATGCAACAGCTTGTTCAAATTCCTGACAATGAAATGAAGCTCA
ATGTGCATATGGATTCAATCCCACACCATCGATCATAGCACCACCTATCAGCACTGAAAACCTCTTTTGCATTAAG
GGATCATTTCAAGAGCAGCTTGACTGACATTATGAAGGCCTGTACTGAAGAGAGCAAGCTGTTAGTACAGACCAA
ATGCTTTCTTAGCATGCTCGTTGTACCTCTTGAAAAACCTCAATGCAAGATAGCTTTTCCGTGCTGGCATATTTT
GGAATTCCTCACATTCATGGAGTGCAATAATACTGTATAGCTTTCCCCACCCCCACACAATCACCAGTTAATG
TGTGTTTTTTTTTAAGGTAGACATTACTACTTGTAACCTTTTTCTTAGTCGTATTTGAAAAAGTAGAAAATTGA
GTTACAATTTGATTTTTTTTCCAAAGATGTCTGTAAATCTGTTGTGCTTTTATATGAATATTTGTTTTTTATAG
TTTAAAATTCATCCTTTGGGAATCCAGTTGAAGTTCCCAAATACTTTATAAGAGTTTATCAGACATCTCTAATTT
GGCCATGTCCAGTTTATATAGTTTACAAAATACAGCAGATGCAAGATTATGGGGGAAATCCTATATTCAGAGTAC
TCTACAAATTTTTGTGTATGTGTGTATGTGCGTGTGATTACCAGAGAACTACTAAAAAAACCAACTGCTTTTTTAA
ATCCTATTGTGTAGTTCAAGTGTGCCTTGACCAATCTAATGAATTGATTAATTAACCTGGGCCTTTTACTTA
ACTAAATAAAAAACTAAGCAGATATGAGTT

2865/6881
FIGURE 2643

CSTPRGHCSSSRFVFPEGYRRVFEEYMWVTSQGYPDIRIEGENYLPQPMYRHIAFSLSVFKLVLIIGLIIVGKDPF
AFFGMQAPSIWQWGQENKVYACMMVFFLSNMIENQCMSTGAFEITLNDVPVWSKLESGHLPSMQQLVQILDNEMK
LNVHMDSIPHRS

2866/6881
FIGURE 2644

AGTGGCGGTGTCTGTGATGGTCCGGAGCGAGGCCTCGGCCAATCTGGGTGGCGTGCCCGAGCGAGATTAAAGATGC
AGTACGCCACGGGGCCACTGCTCAAGTTCAGATTTGTGTTTCCTGAGGTTATAGGCGGGTGTTTGAGGAGTACA
TGTTGGGTTACTAGCCAGGGGTACCCAGACATCCGTATTGAAGGAGAGAATTACCTCCCTCAACCAATGTATAGAC
ACATAGCATCTTTCCIGTCAGTCTTCAAAC TAGTATTAATAGGCTTAATAATTGTTGGCAAGGATCCTTTTGCTT
TCTTTGGCATGCAAGCTCCTAGCATCTGGCAGTGGGGCCAAGACCAGTGTATGTCAACAGGTGCATTTGAGATAA
CTTTAAATGATGTACCTGTGTGGTCTAAGCTGGAATCCGGTCACCTTCCATCCATGCAACAGCTTGTTCAAATTC
TTGACAATGAAATGAAGCTCAATGTGCATATGGATTCAATCCCACACCATCGATCATAGCACCACCT

2867/6881
FIGURE 2645

GGGAGATTAAAACCTTGGATTCTAGGTGGTAGAGGATAATTTTTTTTTGAATGAATTCTTTTTATTTATTTATT
TATTTTTTCTTTTTAGGATAGAATTTTTGCGGCATTTGAAGAGCTTTTCCAGATTATGTTTAAAATTGAAAC
CAAGCCATGTGGTGAAGAACTCAAGGGTGGGGATAAAGTGCTGATGACCTGTGTTGGCATTGGTTTTCTCCAACCT
TAGCAAGACCCCTCAAGTGATAACCATCACAAGATAAGGCCCAATGCCTACAGACAAAGCAGAAGCTGCCACGGA
CACCAATGGGACCAAGTCCAAATGGATTAATCCAGGACAGAATAGCCACTTGCTTAATTTTCTGTGAAGAAATAT
CAATATACAAATAAAAGACATCCCTGTAGCATATGGTTTCCAGCTGTTTCTCCAGTGGCATTGCCATTGCCCAGG
AGGGGCCCAGTCACCATGAGAGCTCCCTTGCCCTTACCTGGAGGAAGAATGTGCCTTCAGGCCACAGTCGTGCTGC
TAGAACAGTCTCGTAGCTGCAGTTCAGCTGTGCTTCCCTCAGCCTACTATCATAGGCTTCCCTCAGCCCTCTGTCTAT
ATGGCTGTTTTGCAAACCTGTGGAGTCTGTTACTGTTCTTTCTGCAAGGACTCACCTCCTTGAGCCTTGTTTTT
GTTGTAGGGATTAAATGAGATAATATGAGTGGCAGCTCTTCATGAGTCCTGCAGTGCTAAGCAAATGTCAGAAAT
TGGTGTATTAGACTATTTATCTTTGATCTTCTGAATGGATTGCTGTCTATGGACACGGACACGGATCTTCATCTGG
TTCATTGTATTTATATGTGAGGGATGGATGGCTGCGGGGCTCCAAGAGCAGCCTCCTGAAGTGAGGGTGGCAAGT
ATGTGACAGGGCACCCACAAAGGCAGACAAGGACTCTGAGAACCAACAGGACTTCTCTGGTCTTATTTCTGAGGCT
AAGACAAAACCGCACCTGAGCCAGATCTCTCAGCCTGGCAGCTCCAGGACCCGTGGGCCCCTGCCACTGGCCCAT
CTCAACGGCTAGGACCTAGAGCATCATCAAGCTGCAGGTTAAACAGGTTGGTTGGTTCTGATTTGACTGCACCTC
TACAAGGACCTATGGCTGCACTTGTGTGATACTTTCCCGAGGAGCCACAACACTGAGCAATGAGGGGAGGAGCATG
TGTTAGTTCATTTCATCAAGTCCTAAATGTAACTACTATGTGCCAGGTGCTGAGCCAGGCACCAGAGATACCATG
ATGAACAAGACACATAAATCTTACCCTCATTGAGCTTACACCATGTGAAAGAGAAGTATGAAATAATTATACGTT
ATTTTTTTTTAGTTTTTGGATGGAGTTTCACTTTTGTCCCCAGGCTGGAGTGCGGTGGTGTGACCTCAGCTCA
CTGCAACCTCTGCCTCCCAGGTTCAAGCGATTCTCCTGCCTCAGCCTCCCAAGTAGCTGGGATTACAGGCACCTG
CCACCATGCCTGGCTAAATTTTGTATTTTTAGTAGAGACGGGCTTTCACCATGTTGGTCAGGCTAGTCTTGAAC
CCTGGCCTCAGGTGATCCTCCACCTTGGCCTCCCAAAGTGCTGGGATTGCAGGCGTGAGCCACGGCACCTCACA
AATTACACATTATTCAACTGTAAGTGTGAAAGTGATTCTAAGGAAAAAGTACAGAGAGCTGTGGGAAAAACATAAT
AGGAAATCTTTGTCACTTCTGTCACTATTGTCTATTAGGCTGTCACTGTTGTCACTTGTCACTTGTCACTTGTCACT
GAGAGTGGTTCCCATTTGCCAGAGCTCATTATTTGTCTCTGAAGGTCTGTGAAAAGATGACAAAGTCGTGTTGCC
TCTTTCCACTTTCCCAAGTCTCACGTGAGCACCCCTAACTGGCAGAATCAATTCACACCCACAAGCCTAGCTGCA
AGGGGACCTGGGAAATGTATTCCAGCTTTCCAACCTCTCCACCCAGGAGATGAAACAGCCAATTTAGGCCAGGT
GCAATGGCTTACACATGTAAAACAGCACTATGGGAGGCTGAGGAGGGAAGATTACTTGAGCCCAGGAGTTTGAG
ACCAGCCTGGACAACAGGGCGAGACCATCATCTCTACAAAAAATACAAAAAATTAGCTAGGCGTGGTGTCTCTG
TGCTGTGGTCCCAGCTCCTCAGGAGGCTGAGGCAGGAGGATCGCTTGAGATCGAGGCTGCAGTGAGCCGTGATC
GCGCCACTGCACTCCAGTCTGGGTGACAGCGAGACCCTATCTCAAAAAAG

2868/6881
FIGURE 2646

CTCAGCTACGCAGGGTGCAACTTCTTGCGCCAACGTCTGGTCCTGTCTACCCCTGAGCGGGCGCCCCGTCAAATC
CGAAAGATTTCGGGCCAGAGACGACAACCCGGGCCTCCGAGATTTTGAAGCCAGCTTCATAAGGCTATTGGACAAA
ATAACGAATGGTTCTCGAATTGAAATAAACCAAACAGGAACAACCTTATATTATCAGCCTGGCCTCCTGTATGGT
GGATCTGTGGAACATGACTGTAGCGTCCTTCGTGGCATTGGGTATTACCTGGAGAGTCTTCTTTGCTTGGCTCCA
TTTATGAAGCACCCGTTAAAAATAGTTCTACGAGGAGTGACCAATGATCAGGTTGACCCTTCAGTTGATGTTCTT
AAGGCAACAGCACTCCCTTTGTTGAAACAATTTGGGATTGATGGTGAATCATTGAACTGAAGATTGTGCGACGG
GGAATGCCTCCCGGAGGAGGAGGCGAAGTGGTTTTCTCATGTCTGTGAGGAAGGTCTTGAAGCCATTCAACTC
ACAGATCCAGGAAAAATCAAACGTATTAGAGGAATGGCGTACTCTGTACGTGTGTCACCTCAGATGGCGAACCGG
ATTGTGGATTCTGCAAGGAGCATCCTCAACAAGTTCATACCTGATATCTATATTTACACAGATCACATGAAAGGA
GTCAACTCTGGGAAGTCTCCGGGCTTTGGGTTGTCACTGGTTGCTGAGACCACAGTGGCACCTTCCTCAGTGCT
GAACTGGCCTCCAACCCCCAGGGCCAGGGAGCAGCAGTACTTCCAGAGGACCTTGGCAGGAAGTGTGCCCGGCTG
CTGCTGGAGGAAATCTACAGGGGTGGATGCGTAGACTCGACCAACCAAAGCCTGGCGCTACTACTCATGACCCTT
GGACAGCAGGATGTTTCCAAAGTCCTGCTAGGCCCTCTCTCTCCCTACACGATAGAATTTTTGCGGCATTTGAAG
AGCTTTTTCCAGATTATGTTTAAAATTGAAACCAAGCCATGTGGTGAAGAACTCAAGGGTGGGGATAAAGTGCTG
ATGACCTGTGTTGGCATTGGTTTCTCCAACCTTAGCAAGACCCTCAAGTGATAACCATCACAGATAAGGCCCCA
ATGCCTACAGACAAAGCAGAAGCTGCCACGGACACCAATGGGACCAAGTCCAAATGGATTAATCCAGGACAGAAT
AGCCACTTGCTTAATTTCTGTGAAGAAATATCAATATACAAATAAAAGACATCCCTGTAGCATATGGTTTCCAG
CTGTTTCTCCAGTGGCATTGCCATTGCCCAGGAGGGGCCAGTCACCATGAGAGCTCCCTTGCCTTACCTGGAGG
AAGAATGTGCCCTTCAGGCCACAGTCGTGCTGCTAGAACAGTCTCGTAGCTGCAGTTCAGCTGTGCTTCCTCAGCC
TACTATCATAGGCTTTCCTCAGCCCTCTGTATATGGCTGTTTTGCAAACCTGTGGAGTCTGTTACTGTTCTTTCT
GCAAGGACTCACCTCCTTGAGCCTTGGTTTTTGTGTAGGGATTAAATGAGATAATATGAGTGGCAGCTCTTCAT
GAGTCCTGCAGTGCTAAGCAAATGTCAGAAATTGGTGTATTAGACTATTTATCTTTGATCTTCTGAATGGATTGC
TGTCATGGACACGGACACGGATCTTCATCTGGTTCATTGTATTTATATGTGAGGGATGGATGGCTGCGGGGCTCC
AAGTAAGTTATTGGGATGTTTTATATTCCAGGTGTGCTGTACATTCTTATTTTATTTTACAAATAGCTCTGTGA
TGTAAGTGCTATCTCCATGAGAAAATTCATAAAGGGTGTTTTGTTCCTTTGAAATGTATAATGTAAAGACATTAA
ATCTCCTCATTTA

2869/6881
FIGURE 2647

CGCCGCAGCTCCAGCGCCGCGCAGCAGCCGCGCCGCGCCTCTCCTTAGTCACTGCCATGACGACCGCGTCCAC
CTCGCAGGTGCGCCAGAACTACCACCAGGACTCAGAGGCCGCCATCAACCGCCAGATCAACCTGGAGCTCTACAC
CTCCTACCTTTACCTGTCCACGTCTTACTACTTTGACCTCGATGATGTGGCTTTGAAGAACTTTGCCAAATACTT
TCTTCACCAATCTCATGAGGAGAGGGAACATGCTGAGAACTGTTGAAGCTGCAGAACCAACGAGGTGGCCGAAT
CCTTCTTCAGGATATCAAGAAACCAGACTGTGATGACTGGGAGAGTGGGCTGAATGCGATGGAGTGTGCACTACA
TTTGGAAAAAATGTGTATCAGTCACCACTGGAAGTGCACAAACCGGCCACTGACAAAAATGCCATCAAAGAATG
GGGTGACCACGTGACCAACTTGTGCAAGATGGGAGCACCCGAATCTGGCTTGGCAGAATATCTCTTTGACAAGCA
CTCCCTGGGAGACAGTGATAATGAAAGCTAAGCCTCAGGCTAATTTCCCCATAGCCGTGGGGTGACTTCCCTGGT
CACCAAGGCAGTGCATGCATGTTGGG

2870/6881

FIGURE 2648

MTTASTSQVRQNYHQDSEAAINRQINLELYTSYLYLSTSYFDLDDVALKNFAKYFLHQSHEEREHAEKLLKLQN
QRGGRILLQDIKKPCDDWESGLNAMECALHLEKNVYQSPLELHKPATDKNAIKEWGDHVTNLCKMGAPESGLAE
YLFDKHSLGSDNES

2871/6881
FIGURE 2649

ATGGCATCCGTTGCAGTTGATCCACAACCGAGTGTGGTGACTCGGGTGGTCAACCTGCCCTTGGTGAGCTCCACG
TATGACCTCATGTCCTCAGCCTATCTCAGTACAAAGGACAGTATCCCTACCTGAAGTCTGTGTGTGAGATGGCA
GAGAACGGTGTGAAGACCATCACCTCCGTGGCCATGACCAGTGCTCTGCCCATCATCCAGAAGCTAGAGCCGCAA
ATTGCAGTTGCCAATACCTATGCCTGTAAGGGGCTAGACAGGATTGAGGAGAGACTGCCTATTCTGAATCAGCCA
TCAACTCAGATTGTTGCCAATGCCAAAGGCGCTGTGACTGGGGCAAAGATGCTGTGACGACTACTGTGACTGGG
GCCAAGGATTCTGTGGCCAGCAGATCACAGGGGTGATGGACAAGACCAAAGGGGCAGTGACTGGCAGTGTGGAG
AAGACCAAGTCTGTGGTCAGTGGCAGCATTAAACACAGTCTTGGGGAGTCGGATGATGCAGCTCGTGAGCAGTGGC
GTAGAAAATGCACTCACCAAATCAGAGCTGTTGGTAGAACAGTACCTCCCTCTCACTGAGGAAGAACTAGAAAAA
GAAGCAAAAAAAGTTGAAGGATTGATCTGGTTTCAAGCCAAGTTATTATGTTAGACTGGGATCCCTGTCTACC
AAGCTTCACTCCCGTGCTACCAAGCAGGCTCTCAGCAGGGTTAAAGAAGCTAAGCAAAAAAGCCAACAGACCATT
TCTCAGCTCCATTCTACTGTTACCTGATTGAATTTGCCAGGAAGAATGTGTATAGTGCCAATCAGAAAATTCAG
GATGCTCAGGATAAGCTCTACCTCTCATGGGTAGAGTGGAAAAGGAGCATTGGATATGATGATACTGATGAGTCC
CACTGTGCTGAGCAATTTGAGTCACGTACTCTTGCAATTGCCCGCAACCTGACTCAGCAGCTCCAGACCACGTGC
CACACCTCCTGTCCAACATCCAAGGTGTACCACAGAACATCCAAGATCAAGCCAAGCACATGGGGGTGATGGCA
GGCGACATCTACTCAGTGTTCGCAATGCTGCCTCCTTTAAAGAAGTGTCTGACAGCCTCCTCACTTCTAGCAAG
GGGAGCTGCAGAAAATGAAGGAATCTTTAGATGACGTGATGGATTATCTTGTTAACAACACGCCCCCTCAACTGG
CTGGTAGGTCCCTTTTATCCTCAGCTGACTGAGTCTCAGAATGCTCAGGACCAAGGTGCAGAGATGGACAAGAGC
AGCCAGGAGACCCAGCGATCTGAGCATAAAACATCATTAA

2872/6881
FIGURE 2650

MASVAVDPQPSVVTRVVNLPLVSSTYDLMSAYLSTKDQYPYLKSVCEMAENGVKTTITSVAMTSALPIIQKLEPO
IAVANTYACKGLDRIEERLPILNQPSTQIVANAKGAVTGAKDAVTTTGTGAKDSVASTITGVMDKTKGAVTGSVE
KTKSVVSGSINTVLGSRMMQLVSSGVENALTKSELLVEQYLPLTEEELEKEAKKVEGFDLVQKPSYYVRLGSLST
KLHSRAYQQALSRVKEAKQKSQQTISQLHSTVHLIEFARKNVYSANQKIQDAQDKLYLSWVEWKRSIGYDDTDES
HCAEQFESRTLAIARNLTQQLQTTCHTLLSNIQGV PQNIQDQAKHMGVMAGDIYSVFRNAASFKEVSDSLLTSSK
GQLQMKESLDDVMDYLVNNTPLNWLVGPFYPQLTESQNAQDQGAEMDKSSQETQRSEHKTH

2873/6881
FIGURE 2651

CCTCTTTTCCGTGGCGCCTCGGAGGCGTTCAGCTGCTTCAAGATGAAGCTGAACATCTCCTTCCCAGCCACTGGC
TGCCAGAAACTCATTGAAGTGGACGATGAACGCAAACCTTCGTACTTTCTATGAGAAGCGTATGGCCACAGAAGTT
GCTGCTGACGCTCTGGGTGAAGAATGGAAGGGTTATGTGGTCCGAATCAGTGGTGGGAACGACAAACAAGGTTTC
CCCATGAAGCAGGGTGTCTTGACCCATGGCCGTGTCCGCCTGCTACTGAGTAAGGGGCATTCCCTGTTACAGACCA
AGGAGAACTGGAGAAAGAAAGAGAAAATCAGTTCGTGGTTGCATTGTGGATGCAAATCTGAGCGTTCTCAACTTG
GTTATTGTAAAAAAGGAGAGAAGGATATTCTGGACTGACTGATACTACAGTGCCTCGCCGCCTGGGCCCCAAA
AGAGCTAGCAGAATCCGCAAACTTTTCAATCTCTCTAAAGAAGATGATGTCCGCCAGTATGTTGTAAGAAAGCCC
TTAAATAAAGAAGGTAAGAAACCTAGGACCAAAGCACCCAAGATTACAGCGTCTTGTTACTCCACGTGTCCTGCAG
CACAAACGGCGGCGTATTGCTCTGAAGAAGCAGCGTACCAAGAAAAATAAAGAAGAGGCTGCAGAATATGCTAAA
CTTTTGGCCAAGAGAATGAAGGAGGCTAAGGAGAAGCGCCAGGAACAAATTGCGAAGAGACGCAGACTTTCCTCT
CTGCGAGCTTCTACTTCTAAGTCTGAATCCAGTCAGAAATTAAGATTTTTTTGAGTAACAAATAAATAAGATCAGAC
TCTG

2874/6881
FIGURE 2652

MKLNISFPATGCQKLI EVDDERKLRTFYEKRMATEVAADALGEEWKGYVVRISGGNDKQGFPMKQGVLT HGRVRL
LLSKGHSCYRPRRTGERKRKSVRGCIVDANLSVLNLVIVKKGEKDIPGLTDTTVPRRLGPKRASRIRKLFNLSKE
DDVRQYVVRKPLNKEGKKPRTKAPKIQRLVTPRVLQHKRRRIALKKQRTKKNKEEAAEYAKLLAKRMKEAKEKRO
EQIAKRRRLSSLRASTSKSESSQK

2875/6881
FIGURE 2653

CCTCCCTACGGGCGCCTCCGGCAGCCCTTCCCGCGTGCGCAGGGCTCAGAGCCGTTCCGAGATCTTGGAGGTCCG
GGTGGGAGTGGGGGTGGGGTGGGGGTGGGGGTGAAGGTGGGGGGCGGGCGCGCTCAGGGAAGGCGGGTGC GCGCC
TGCGGGGCGGAGATCGGGCAGGGGGCGGTGCGTGGGTCCCAGTCTGCAGTTAAGGGGGCAGGAGTGGCGCTGCTCA
CCTCTGGTGCCAAAGGGCGGCGCAGCGGTGCCGAGCTCGGCCCTGGAGGCGGCGAGAACATGGTGC GCGAGGTTT
TTGGTGACCCCTCCGGATTCCGGCGCGCGTGCGGGCCCGCCGCGAGTGAGGGTTTTTCGTGGTTCACATCCCGCGGCTC
ACGGGGGAGTGGGCAGCGCCAGGGGCGCCCGCCGCTGTGGCCCTCGTGCTGATGCTACTGAGGAGCCAGCGTCTA
GGGCAGCAGCCGCTTCCTAGAAGACCAGGTCATGATGATGGGCAGCGCCCGAGTGGCGGAGCTGCTGCTGCTCCA
CGGCGCGGAGCCCAACTGCGCCGACCCCGCCACTCTCACCCGACCCGTGCACGACGCTGCCC GGGAGGGCTTCCT
GGACACGCTGGTGGTGCTGCAACCGGGCCGGGGCGCGGCTGGACGTGCGCGATGCCTGGGGCCGTCTGCCCGTGGA
CCTGGCTGAGGAGCTGGGCCATCGCGATGTCGCACGGTACCTGCGCGCGGCTGCGGGGGGCACCAGAGGCAGTAA
CCATGCCCCGATAGATGCCGCGGAAGGTCCCTCAGACATCCCCGATTGAAAGAACCAGAGAGGCTCTGAGAAACC
TCGGGAAACTTAGATCATCAGTCACCGAAGGTCTACAGGGCCACAAC TGCCCCCGCCACAACCCACCCCGCTTT
CGTAGTTTTTCATTTAGAAAATAGAGCTTTTAAAAATGTCCTGCCTTTTAACTAGATATATGCCTTCCCCCTA
CCGTAAATGTCCATTTATATCATTTTTTATATATTCTTATAAAAATGTAAAAAAGAAAAACACCGCTTCTGCCTT
TTCATGTGTTGGAGTTTTCTGGAGTGAGCACTCACGCCCTAAGCGCACATTCATGTGGGCATTTCTTGCGAGCC
TCGAGCCTCCGGAAGCTGTCGACTTCATGACAAGCATTTTGTGAACTAGGGAAGCTCAGGGGGTTACTGGCTT
CTCTTGAGTCACACTGCTAGCAAATGGCAGAACCAGCTCAAATAAAAATAAAATAATTTTCATTCATTCACTC

2876/6881
FIGURE 2654

MGRGRCVGPSLQLRGQEWRCSPVLPKGGAAAELGPGGGENMVRRLVTLRIIRACGPPRVRFVVFVHIPRLTGEW
AAPGAPAAVALVLMLLRSQRLGQQPLPRRPGHDDGQRPSGGAAAAPRRGAQLRRPRHSHPTRARRCPGGLPGHAG
GAAPGRGAAGRARCLGPSARGPG

2877/6881
FIGURE 2655

CCCAACCTGGGGCGACTTCAGGTGTGCCACATTGCTAAGTGCTCGGAGTTAATAGCACCTCCTCCGAGCACTCG
CTCACGGCGTCCCCTTGCCCTGGAAAGATACCGCGGTCCCTCCAGAGGATTTGAGGGACAGGGTCGGAGGGGGCTC
TTCCGCCAGCACCGGAGGAAGAAAGAGGAGGGGCTGGCTGGTCACCAGAGGGTGGGGCGGACCGCGTGCCTCGG
CGGCTGCGGAGAGGGGGAGAGCAGGCAGCGGGCGGCGGGGAGCAGCATCGAGCCGGCGGCGGGGAGCAGCATGGA
GCCTTCGGGTGACTGGCTGGCCACGGCCGCGGGCCGGGGTTCGGGTAGAGGAGGTGCGGGCGCTGCTGGAGGCGGG
GGCGCTGCCCCAACGCACCGAATAGTTACGGTCGGAGGCCGATCCAGGTCATGATGATGGGCAGCGCCCGAGTGGC
GGAGCTGCTGCTGCTCCACGGCGCGGAGCCCAACTGCGCCGACCCCGCCACTCTCACCCGACCCGTGCACGACGC
TGCCCCGGGAGGGCTTCCTGGACACGCTGGTGGTGCTGCACCGGGCGGGGCGCGGCTGGACGTGCGCGATGCCTG
GGGCCGTCTGCCCCGTGGACCTGGCTGAGGAGCTGGGCCATCGCGATGTCGCACGGTACCTGCGCGCGGCTGCGGG
GGGCACCAGAGGCAGTAACCATGCCCGCATAGATGCCGCGGAAGGTCCCTCAGACATCCCCGATTGAAAGAACCA
GAGAGGCTCTGAGAAACCTCGGGAAACTTAGATCATCAGTCACCGAAGGTCTTACAGGGCCACAACCTGCCCCGC
CACAACCCACCCCGCTTTCGTAGTTTTTCATTTAGAAAATAGAGCTTTTAAAAATGTCCTGCCTTTTAACGTAGAT
ATATGCCTTCCCCCACTACCGTAAATGTCCATTTATATCATTTTTTATATATTCTTATAAAAAATGTAAAAAAGAA
AAACACCGCTTCTGCCTTTTCACTGTGTTGGAGTTTTCTGGAGTGAGCACTCACGCCCTAAGCGCACATTTCATGT
GGGCATTTCTTGCGAGCCTCGCAGCCTCCGGAAGCTGTCGACTTCATGACAAGCATTTTGTGAACTAGGGAAGCT
CAGGGGGGTTACTGGCTTCTCTTGAGTCACACTGCTAGCAAATGGCAGAACCAAAGCTCAAATAAAAAATAAATA
ATTTTCATTCACTC

2878/6881
FIGURE 2656

MEPAAGSSMEPSADWLATAAARGRVEEVRLLEAGALPNAPNSYGRRP IQVMMMG SARVAELLLLHGAEPNCADP
ATLTRPVHDAAREGFLDTLVVLHRAGARLDVRDAWGRLPVDLAEELGHRDVARYLRAAAGGTRGSNHARIDAAEG
PSDIPD

2879/6881
FIGURE 2657

TGTGTGGGGGTCTGCTTGGCGGTGAGGGGGCTCTACACAAGCTTCCTTTCCGTCATGCCGGCCCCACCCCTGGCT
CTGACCATTCTGTTCTCTCTGGCAGGTCAATGATGATGGGCAGCGCCCGAGTGGCGGAGCTGCTGCTGCTCCACGG
CGCGGAGCCCAACTGCGCCGACCCCGCCACTCTCACCCGACCCGTGCACGACGCTGCCCGGGAGGGCTTCCTGGA
CACGCTGGTGGTGTGTCACCGGGCCGGGGCGCGGCTGGACGTGCGCGATGCCTGGGGCCGTCTGCCCGTGGACCT
GGCTGAGGAGCTGGGCCATCGCGATGTGCGACGGTACCTGCGCGCGGCTGCGGGGGGCACCAGAGGCAGTAACCA
TGCCCGCATAGATGCCGCGGAAGGTCCCTCAGACATCCCCGATTGAAAGAACCAGAGAGGCTCTGAGAAACCTCG
GGAAACTTAGATCATCAGTCACCGAAGGTCCCTACAGGGCCACAACCTGCCCCCGCCACAACCCACCCCGCTTTCGT
AGTTTTCATTTAGAAAATAGAGCTTTTAAAAATGTCCTGCCTTTTAACGTAGATATAAGCCTTCCCCCACTACCG
TAAATGTCCATTTATATCATTATTTTATATATTCTTATAAAAAATGTAAAAAAGAAAAACACCGCTTCTGCCTTTTC
ACTGTGTTGGAGTTTTCTGGAGTGAGCACTCACGCCCTAAGCGCACATTTCATGTGGGCATTTCTTGCGAGCCTCG
CAGCCTCCGGAAGCTGTCGACTTCATGACAAGCATTTTGTGAACTAGGGAAGCTCAGGGGGGTTACTGGCTTCTC
TTGAGTCACACTGCTAGCAAATGGCAGAACCAAAGCTCAAATAAAAAATAAAATAATTTTCATTCAATTCCTC

2880/6881
FIGURE 2658

MMGSAEVAELLLHGAEPNCADPATLTRPVHDAAREGFDTLVVLHRAGARLDVRDAWGRLPVDLAEELGHRDV
ARYLRAAAGGTRGSNHARIDAAEGPSDIPD

2881/6881
FIGURE 2659

GCAGTAGTGCTAGCGGCTTCACGGTTCGGTCTCGGACCCGGCAGCCGCCACTGGTGCTGAGCTGTTAGGAAGCC
CCTATCGGCGAGCTCATTGGAGCTTGAACCCATTGTCAACCCCTCCGACTCACCGGCAAAAAAAAAAAAAAAAAAAT
GGTTGAAGCAGATTGCCAGGAAAGCCGTTCACTGGTGGGCTTAACACGGAAACAAATGAGAAAGCTCTTGAAGC
AGTATTTGGCAAAATATGGACGAATAGTGGAAGTACTCTTGGTGAAAGACCATGAAACCAACAAATCAGGAGGATT
TGCTTTTGTCACTTTGAAAGCCCAGCAGATGCTAAGGATGCAGCCAGAGACATGAATGGAAAGTCATTAGATGG
AAAAGCCATCGAGGTGGAACAAGCCAACAAACCATCATTTGAAAGTGGTAGACGTGGACCGCCTCCACCTCCAAG
AAGTAGAGGCCCTCCAAGAGGTCTTAGAGGTGGAAGAGGAGGAAGTGAGGAACAAGGGGACCTCCCTCACGGGG
AGGACACATGGATGACGGTGGATATTCCATGAATTTTAACATGAGTTCTTCCAGGGGACCACATCCAGTAAAAAG
AGGACCACCACCAAGAAGTGAGGTGCTCCTTCTAAGAGATCTGCACCTTCAGGACCAGTTCGCAGTAGCAGTGA
AATGGGAGGAAGAGCTCCTGTATCACGTGGAAGAGATAGTTACGGAGGTCCACCTCGAAGGGAAGTCTGCCCTC
TTGTAGAAATGATTATTTGTCCCAAGAGATGATGGGTATTCTACTAAAGACAGCTATTCAAGCAGAGATTACCC
AAGTTCTCATGATACTAGAGCTTATGCACCACCACCACGAGATTATACTTACCGTGATTATGGTCATTCCAGTTC
ACGTGTTGACTATCCATAAAGAGGCTATAGCGATAGAGATAGATATGGTCGTGATCATGACTATTAGATCATCC
AGGTGGAGGTTCTTACAGAGATTATATGAGAGTTATGGTAACTCACGTAGTGCTCCACCTACACGAGGGCCCCC
ACCATCTTATGGTGGAAGCAGTCGCTATGATGATTACAGCAGCTCATGTGACGGATATGGTGGAAGTCGAGACAG
TTACTCAAGCAGCCGAAGTGATCTCTACTCAAGTGGTCTGTGATCGGGTTGGCAGACAAGAAAGAGGGGCTTACCCC
TTCTATGGAAGAGGATAACCTCCTCCACGTGATTCTTACAGCAGTTCAAGTGCGGAGCACCAAGCGGTGGTGGC
TGTGGAGGAAGCCGATCTGATAGAGGGGGAGGTAGAAGCAGATACTAGAAACAAACAAAACCTTTGGACCAAAATC
CCAGTTCAAAGAAACAAAAAGTGGAAGCTATTCTATCATAACTACCCAAGGACTACTAAAAGGAAAAATTGTGTT
ACTTTTTAAAAATTCCCTGTTAAGTTCCTCCTCATAATTTTTATGTTCTTGTGAGGAGAAAAGTAAAACATGTTT
AATTTTATTTTGACTTTTGCAATTGCTTTTCAACAAGCAAACGTTAAATGTGTTAAGACTTGTACTGGTGTGTAA
CTTTCCAAGTAAAAGTATCCCTAAAGGCCACTTCCTATCTGATTTTTCCCAGTAAATGAGGCAGGCAATTCTAAG
ATCTTCCACAAAACATCTAGCCATCTAAATGGAGAGATGAATCATTCTACCTATACAAACAAGCTAGCTATTAG
AGGGTGGTTGGGGTATGCTACTCATAAGATTTAGGGTGTCTTCCAAGTAAATCTCAATGTTTTAGTATGAAA
AACCTGAAATCACATGCCTTTGTAAGGAAAGTGCTATTACCCAGTAAACCCAAAAAAGCAAATGGATGATGCTG
GCCATTTTGCTTTCTGACATTTCTTGGGAATCTGCAAGAACCTCCCTTTCCCCCTCCCCCAATAAGACCATT
AAGTGTGTGTTAAACAACACTACAGAATACTAAATAAAAAGTTTGGCCAAAACC

2882/6881
FIGURE 2660

CGGTAACTACCCCGGCTGCGCACAGCTCGGCGCTCCTTCCCGCTCCCTCACACACCGCCTCAGCCCGCACCCGGCA
GTAGAAGATGGTGAAAGAAACAACCTTACTACGATGTTTTGGGGGTCAAACCCAATGCTACTCAGGAAGAATTGAA
AAAGGCTTATAGGAACTGGCCTTGAAGTACCATCCTGATAAGAACCCAAATGAAGGAGAGAAGTTTAAACAGAT
TTCTCAAGCTTACGAAGTTCTCTCTGATGCAAAGAAAAGGGAATTATATGACAAAGGAGGAGAACAGGCAATTAA
AGAGGGTGGAGCAGGTGGCGGTTTTGGCTCCCCCATGGACATCTTTGATATGTTTTTTGGAGGAGGAGGAAGGAT
GCAGAGAGAAAGGAGAGGTAAAAATGTTGTACATCAGCTCTCAGTAACCCTAGAAGACTTATATAATGGTGCAAC
AAGAAACTGGCTCTGCAAAAGAATGTGATTTGTGACAAATGTGAAGGTAGAGGAGGTAAGAAAGGAGCAGTAGA
GTGCTGTCCCAATTGCCGAGGTACTGGAATGCAAATAAGAATTCATCAGATAGGACCTGGAATGGTTCAGCAAAT
TCAGTCTGTGTGCATGGAGTGCCAGGGCCATGGGGAGCGGATCAGTCTAAAGATAGATGTAAAAGCTGCAACGG
AAGGAAGATAGTTGAGAGAGAAGAAAATTTTAGAAGTTCATATTGACAAAGGCATGAAAGATGGCCAGAAGATAAC
ATTCCATGGTGAAGGAGACCAAGAACCAGGACTGGAGCCAGGCGATATTATCATTGTGTGTAGATCAGAAGGACCA
TGCTGTTTTTACTCGACGAGGAGAAGACCTTTTCATGTGTATGGACATACAGCTCGTTGAAGCACTGTGTGGCTT
CCAGAAGCCAATATCTACTCTTGACAACCGAACCATCGTCATCACCTCTCATCCAGGTCAGATTGTCAAGCATGG
AGATATCAAGTGTGTACTAAATGAAGGCATGCCAATTTATCGTAGACCATATGAAAAGGGTCGCCTAATCATCGA
ATTTAAGGTAACTTTCCTGAGAATGGCTTTCTCTCTCCTGATAAACTGTCTTTGCTGGAAAACTCCTACCCGA
GAGGAAGGAAGTGGAAGAGACTGATGAGATGGACCAAGTAGAACTGGTGGACTTTGATCCAAATCAGGAAAGACG
GCGCCACTACAATGGAGAAGCATATGAGGATGATGAACATCATCCCAGAGGTGGTGTTCAGTGTGACACCTCTTA
ATGGCCAGTGAATAACACTCACTGCTGGCATTTAATGTGCAGTAGTGAATGAGTGAAGGACTGTAATCATAATAT
GCTCACTACTTGCTCTTGTTTTTGTTTTAATAAACTATAGTAGTGTTATAAAAAGTTAAATGAAGAATAAACGCA
AATATAAAAGCTC

2883/6881
FIGURE 2661

MVKETTYDVLGVKPNATQEELKKAYRKLALKYHPDKNPNEGKFKQISQAYEVLSDAKKRELYDKGGEQAIKEG
GAGGGFGSPMDIFDMFFGGGGGRMQRERRGKNVVHQLSVTLEDLYNGATRKLALQKNVICDKCEGRGGKKGAVECC
PNCRGTMQIRIHQIGPGMVQQIQSVCMECQGHGERISPKDRCKSCNGRKIVREKKILEVHIDKGMKDGQKITFH
GEGDQEPGLEPGDIIIVLDQKDHAVFTRRGEDLFMCMDIQLVEALCGFQKPISTLDNRTIVITSHPGQIVKHGDI
KCVLNEGMPYRRPYEKGRLLIEFKVNFPENGFLSPDKLSLLEKLLPERKEVEETDEMDQVELVDFDPNQERRRH
YNGEAYEDDEHHPRGGVQCQTS

2884/6881
FIGURE 2662

TAGTCGGGCGGGGTTGTGAGACGCCGCGCTCAGCTTCCATCGCTGGGCGGTCAACAAGTGCGGGCCTGGCTCAGC
GCGGGGGGCGCGGAGACCGCGAGGCGACCGGGAGCGGCTGGGTTCCCGGCTGCGCGCCCTTCGGCCAGGCCGGG
AGCCGCGCCAGTCGGAGCCCCCGGCCAGCGTGGTCCGCCTCCCTCTCGGCGTCCACCTGCCCGGAGTACTGCCA
GCGGGCATGACCGACCCACCAGGGGCGCCGCCGCCGCGCTCGCAGGCCGCGGATGAAGAAGAAAACCCGGCGCC
GCTCGACCCGGAGCGAGGAGTTGACCCGGAGCGAGGAGTTGACCCTGAGTGAGGAAGCGACCTGGAGTGAAGAGG
CGACCCAGAGTGAGGAGGCGACCCAGGGCGAAGAGATGAATCGGAGCCAGGAGGTGACCCGGGACGAGGAGTCGA
CCCGGAGCGAGGAGGTGACCAGGGAGGAAATGGCGGCAGCTGGGCTCACCGTGACTGTCACCCACAGCAATGAGA
AGCACGACCTTCATGTTACCTCCCAGCAGGGCAGCAGTGAACCAGTTGTCCAAGACCTGGCCCAGGTTGTTGAAG
AGGTCATAGGGGTTCCACAGTCTTTTCAGAACTCATATTTAAGGGAAAATCTCTGAAGGAAATGGAAACACCGT
TGTCAGCACTTGGAATACAAGATGGTTGCCGGGTCATGTTAATTGGGAAAAAGAACAGTCCACAGGAAGAGGTTG
AACTAAAGAAGTTGAAACATTTGGAGAAGTCTGTGGAGAAGATAGCTGACCAGCTGGAAGAGTTGAATAAAGAGC
TTACTGGAATCCAGCAGGGTTTTCTGCCCAAGGATTTGCAAGCTGAAGCTCTCTGCAAACTTGATAGGAGAGTAA
AAGCCACAATAGAGCAGTTTATGAAGATCTTGGAGGAGATTGACACACTGATCCTGCCAGAAAATTTCAAAGACA
GTAGATTGAAAAGGAAAGGCTTGGTAAAAAAGGTTTCAGGCATTCTAGCCGAGTGTGACACAGTGGAGCAGAACA
TCTGCCAGGAGACTGAGCGGCTGCAGTCTACAACTTTGCCCTGGCCGAGTTCAGGTGTAGCAGAAAAAGGCTGTG
CTGCCCTGAAGAATGGCGCCACCAGCTCTGCCGTCTCTGGATCGGAATTTACCTGATTTCTTCAGGGCTGCTGGG
GGCAACTGGCCATTTGCCAATTTTCTACTCTCACACTGGTTCTCAATGAAAAATAGTGTCTTTGTGATTTGAGT
AAAGCTCCTATTCTGTTTTTCACAAAAA

2885/6881
FIGURE 2663

LAQRGGARRPRGDRERLGSRLRALRPGREPRQSEPPAQRGPPPSRRPPARSTASGHDRPTRGAAAGARRPRMKKK
TRRRSTRSEELTRSEELTLSEEATWSEEATQSEEATQGEEMNRSQEVTRDEESTRSEEVTREEMAAAGLTVTVTH
SNEKHDLVTSQQGSSEPVVQDLAQVVEEVIGVPQSFQKLIFKGKSLKEMETPLSALGIQDGCVRMLIGKKNSPQ
EEVELKKLKHLEKSVEKIADQLEELNKELTGIQQGFLPKDLQAEALCKLDRRVKATIEQFMKILEEIDTLILPEN
FKDSRLKRRKGLVKKVQAF LAECDTVEQNICQETERLQSTNFALAE.

2886/6881
FIGURE 2664

GGGGAAGTCGAGGCGGGAGTGACTCTGCTTCCGTTTCTGGTTTTGCTCTAGTGTTTGGGTTTCTTCGCGGCTGCT
CAAGATGAACCGACTCTTCGGGAAAGCGAAACCCAAGGCTCCGCCGCCAGCCTGACTGGCTGCATTGGCACGGT
GGACAGTAGAGCAGAATCCATTGACAAGAAGATTTCTCGATTGGATGCTGAGCTAGTGAAGTATAAGGATCAGAT
CAAGAAGATGAGAGAGGGTCCTGCAAAGAATATGGTCAAGCAGAAAGCCTTGCGAGTTTTAAAGCAAAAGAGGAT
GTATGAGCAGCAGCGGGACAATCTTGCCCAACAGTCATTCAACATGGAACAAGCCAATTATACCATCCAGTCTTT
GAAGGACACCAAGACCACGGTTGATGCTATGAAACTGGGAGTAAAGGAAATGAAGAAGGCATACAAGCAAGTGAA
GATCGACCAGATTGAGGATTTACAAGACCAGCTAGAGGATATGATGGAAGATGCAAATGAAATCCAAGAAGCACT
GAGTCGCAGTTATGGCACCCCAAGACTGGATGAAGATGATTTAGAAGCAGAGTTGGATGCACTAGGTGATGAGCT
TCTGGCTGATGAAGACAGTTCTTATTTGGATGAGGCAGCATCTGCACCTGCAATTCAGAAGGTGTTCCCACTGA
TACAAAAACAAGGATGGAGTTCTGGTGGATGAATTTGGATTGCCACAGATCCCTGCTTCATAGATTGTCATCAT
TCAAGCATATCTTGTAACAACACATATTATGGGACTAGGAAATATTTATCTTTCCAAATTTGCCATAACAGA
TTTAGGTTTCTTCTTTCTTTGAAGGAAAGTTTAATTACATTGCTCTTTTATTTTTTCCATTAAAGAGACTCATT
GCTTGGGAAATGCTTCTTCGTACTAAAATTTGATTCCTTTTTTTCTTATGAAAAACGAACTCAGTTTAAAAGTA
TTTTTAGCTCGTATGACTTGTTTTCATTCATTAATAATAATTTGAAATAAACTAAGGAAATGGAATCTTAAAAG
TCTATGACAGTGTAACCTCTACAGTCTCAAAATGACCTGATAAATTGATAAGACAAAGATGAGATTATTGGGGCTG
TTCATATTATGATTCAGAAATCATTTTCTATTGTGGTATTATAGGTTGGTTAAAGTGATGGCCTTTTTGATGGGTT
TTGTTGTGTCTTGTAACAAGTCGTTACTGTGTCCATTATTGGAATGGAATTATCACTACTGTATCATGAGTGGG
TATTTTGATTCTATGGTTCCCTCAGTATTACATCTTGACTTGTAATCAATTATGAATATTTCTTGATATTTAATG
TATAGGACATTTATTTATACTCAATAAATATTTTTCAAAGGAAAAAAAAAAAAAAAAATCAAAAAAAAAAAAAAAAAA
AAAAAAAAA

2887/6881
FIGURE 2665

MNRLFGKAKPKAPPPSLTGCIGTVDSRAESIDKKISRLDAELVKYKDQIKKMREGPAKNMVKQKALRVLKQKRM
EQQRDNLAQQSFNMEQANYTIQSLKDTKTTVDAMKLGVKEMKKAYKQVKIDQIEDLQDQLEDMMEDANEIQEALS
RSYGTPELDEDDLEAELDALGDELLADEDSSYLDEAASAPAIPEGVPTDTKNKDGVLVDEFGLPQIPAS

2888/6881
FIGURE 2666

TGCTCGCTGCGCCACCGCCTCCCGCCACCCCTGCCCCGCCGACAGCGCCGCCGCTGCCCGGCCATGGGTCGACA
GAAGGAGCTGGTGTCCCGCTGCGGGGAGATGCTCCACATCCGCTACCGGCTGCTCCGACAGGCGCTGGCCGAGTG
CCTGGGGACCCTCATCCTGGTGATGTTTGGCTGTGGCTCCGTGGCCAGGTTGTGCTCAGCCGGGGCACCACGG
TGGTTTCCTCACCATCAACCTGGCCTTTGGCTTTGCTGTCACTCTGGGCATCCTCATCGCTGGCCAGGTCTCTGG
GGCCACCTGAACCTGCCGTGACCTTTGCCATGTGCTTCCTGGCTCGTGAGCCCTGGATCAAGCTGCCCATCTA
CACCTGGCACAGACGCTGGGAGCCTTCTTGGGTGCTGGAATAGTTTTGGGCTGTATTATGATGCAATCTGGCA
CTTCGCGGACAACCAGCTTTTTGTTTCGGGCCCCAATGGCACAGCCGGCATCTTTGCTACCTACCCCTCTGGACA
CTTGGATATGATCAATGGCTTCTTTGACCAGTTTCATAGGCACAGCCTCCCTTATCGTGTGTGTGCTGGCCATTGT
TGACCCCTACAACAACCCCGTCCCCGAGGCCTGGAGGCCTTCACCGTGGGCCTGGTGGTCTGGTCATTGGCAC
CTCCATGGGCTTCAACTCCGGCTATGCCGTCAACCTGCCCGGGACTTTGGCCCCCGCCTTTTTACAGCCCTTGC
GGGCTGGGGCTCTGCAGTCTTCACGACCGGCCAGCATTGGTGGTGGGTGCCCATCGTGTCCCCACTCCTGGGCTC
CATTGCGGGTGTCTTCGTGTACCAGCTGATGATCGGCTGCCACCTGGAGCAGCCCCCACCCTCCAACGAGGAAGA
GAATGTGAAGCTGGCCCATGTGAAGCACAGGAGCAGATCTGAGTGGGCAGGGGCCATCTCCCCACTCCGCTGCC
CTGGCCTTGAGCATCCACTGACTGTCCAAGGGCCACTCCAAGAAGCCCCCTTCACGATCCACCCTTTTCAGGCTA
AGGAGCTCCCTATCTACCCCTACCCCA³CGAGACAGCCCTTCAGGATTTCCACTGGACCTTGCCCCAAATAGCACC
TTAGGCCACTGCCCCTAAGCTGGGGTGGAACCGGAATTTGGGTCAATACATCCTTTTGTCTCCCAAGGGAAGAGA
ATGGGCAGCAGGTATGTGTGTGTGTGCATGTGTGTGCATGTGTGTGCATGTGTGTGCAGGGGTGTGTGTGTGTGG
GGGGGTTCCCAGATATTCAGGGCAAGGGACCAGTCGGAAGGGATTCTGGCTATTGGGGGAGCCCAGAGACAGGG
GAAGGCAGCCTGTCCATCTGTGCATAAGGAGAGGAAAGTTCCAGGGTGTGTATGTTTCAGGGGCTTCACATGGAG
GAGCTGCAGATAGATATGTGTTTCT

2889/6881
FIGURE 2667

MGRQKELVSRCGEMLHIRYRLLRQALAECLGTLILVMFGCGSVAQVLSRGTHGGFLTINLAFGFAVTLGILIAG
QVSGAHLNPAVTFAMCFLAREPWIKLPITYTLAQTLGAFLGAGIVFGLYYDAIWHFADNQLFVSGPNGTAGIFATY
PSGHLDMINGFFDQFIGTASLIVCVLAIVDPYNNPVPRGLEAFTVGLVVLVIGTSMGFNSGYAVNPARDFGPRLE
TALAGWGSAVFTTGQHWWVP IVSPLLGSIAGVFVYQLMIGCHLEQPPPSNEEENVKLAHVKHKEQI

2890/6881
FIGURE 2668

GGCACGAGGGAGGCGGGCGGCTCCAGCCGGCGGGCGGAGGCTCGGCGGTGGGATCCGGCGGGCGGTGCTAGCTC
CGCGCTCCCTGCCTCGCTCGCTGCCGGGGGCGGTCCGAAGGCGCGGCGCGAAGCCCGGGTGGCCCCGAGGGCGCGA
TGGCTGCTCCTGTCCCGTGGGCCTGCTGTGCTGTGCTTGCCGCCGCCGCCGAGTTGTCTACGCCCAGAGACACA
GTCCACAGGAGGCACCCCATGTGCAGTACGAGCGCCTGGGCTCTGACGTGACACTGCCATGTGGGACAGCAAACCT
GGGATGCTGCGGTGACGTGGCGGGTAAATGGGACAGACCTGGCCCCCTGACCTGCTCAACGGCTCTCAGCTGGTGC
TCCATGGCCTGGAAC TGGGCCACAGTGGCCTCTACGCCTGCTTCCACCGTGACTCCTGGCACCTGCGCCACCAAG
TCTGCTGCATGTGGGCTTGCCGCCGCGGGAGCCTGTGCTCAGCTGCCGCTCCAACACTTACCCCAAGGGCTTCT
ACTGCAGCTGGCATCTGCCCCACCCCACTACATTCCCAACACCTTCAATGTGACTGTGCTGCATGGCTCCAAAA
TTATGGTCTGTGAGAAGGACCCAGCCCTCAAGAACCCTGCCACATTGCTACATGCACCTGTTCTCCACCATCA
AGTACAAGGTCTCCATAAGTGTGAGCAATGCCCTGGGCCACAATGCCACAGCTATCACCTTTGACGAGTTCACCA
TTGTGAAGCCTGATCCTCCAGAAAATGTGGTAGCCCGGCCAGTGCCAGCAACCCTCGCCGGCTGGAGGTGACGT
GGCAGACCCCTCGACCTGGCCTGACCCTGAGTCTTTTCTCTCAAGTTCTTTCTGCGCTACCGACCCCTCATCC
TGGACAGTGGCAGCATGTGGAGCTGTCCGACGGCACAGCACACACCATCACAGATGCCTACGCCGGGAAGGAGT
ACATTATCCAGGTGGCAGCCAAGGACAATGAGATTGGGACATGGAGTGAAGTGGAGCGTAGCCGCCACGCTACGC
CCTGGACTGAGGAACCGCGACACCTCACCACGGAGGCCAGGCTGCGGAGACCACGACCAGCACCACCAGCTCCC
TGGCACCCCACTACCACGAAGATCTGTGACCCTGGGGAGCTGGGCAGCGGCGGGGGACCCCTCGGCACCCCTTCT
TGGTCAGCGTCCCCATCACTCTGGCCCTGGCTGCCGCTGCCGCCACTGCCAGCAGTCTCTTGATCTTGAGCGCCGGC
ACCCCATGAGGACATGCAGAGCACCTGCAGAGGAGCAGGAGGCCGAGCTGAGCCTGCAGACCCCGGTTTCTATT
TTGCACACGGGCAGGAGGACCTTTTGCACTCTCTTCAGACACAATTTGTGGAGACCCCGGCGGGGCCCTGC
CGCCCCCAGCCCTGCCGCACCAAGCTGGCCCTCCTTCCCTCAGGGGAGGTGGGCCATGCAGCTAACCACC
CACCAAAGACCCCTCACCTGGCCCTTGGGCTGGACCCTCCAATGCCAGCGACTCCAGGAGCCCTTGGGGGA
CGTGAGGGGAGCCTCTCACATCCGATTTCTCCTCCTGCCCGAGCCTCCTGTCTATCCCAGGGTCTCTGTTGCCAC
CATCAGATTATAAGCTCCTGATGCTGGGGGGGCCAGCCATCCCCCTCCCCCAGCACCCACAATTTTCAGTCCC
CTCCCTCTGCCCTGTTTTGTATAACCCCTCCCTGACCCTGCTCCTATCCCACAGTATTTAATGCCCTGTCAGTC
CCTTCTAGTCTGACTCAATGGTAACTTGCTGTATTTGAATTTTTTATAGATGTATATACAGGGTGGGGGGAGTGG
GCGGTTCTCATTAAACGTCACCATTTTCATGAAAAAAAAAAAAAAAAAAAA

2891/6881
FIGURE 2669

MAAPVPWACCAVLAAAAVVYAQRHSPQEAPHVQYERLGSDVTLPCGTANWDAAVTWRVNGIDLAPDLLNGSQLV
LHGLELGHSGLYACFHRDSWHLRHQVLLHVGLPPREPVLSCRSNTYPKGFYCSWHLPTPTYIPNTFNVTVLHGSK
IMVCEKDPALKNRCHIRYMHLFSTIKYKVSISVSNALGHNATAITFDEFTIVKPDPPENVVARPVPSNPRRLEVT
WQTPSTWPDPEFPLKFFLRYPILLDQWQHVELSDGTAHTITDAYAGKEYIIQVAAKDNEIGTWSDSVAAHAT
PWTEEPRLITTEAQAETTTSTTSSLAPPPTTKICDPGELGSGGGPSAPFLVSPITLALAAAAATASSLLI

2892/6881
FIGURE 2670

CTCCGAGGCCGTGAGCGCAAAGCCTCAGGCCCCGGCTCCCTCCTGAGCTGCGCCGTGCCAGGCCGCCCGCCGGGA
TGCAGTGGGCGCGTGGGCCGGCGGTGGGCGTGGGCCGCGCTGCTCCTGGCTGTGCGAGCGGTGCTGACCCAGGTCG
TCTGGCTCTGGCTGGGTACGCAGAGCTTCGTCTTCCAGCGCGAAGAGATAGCGCAGTTGGCGCGGCAGTACGCTG
GGCTGGACCACGAGCTGGCCTTCTCTCGTCTGATCGTGGAGCTGCGGCGGCTGCACCCAGGCCACGTGCTGCCCG
ACGAGGAGCTGCAGTGGGTGTTCTGTGAATGCGGGTGGCTGGATGGGCGCCATGTGCCTTCTGCACGCCTCGCTGT
CCGAGTATGTGCTGCTCTTCGGCACCGCCTTGGGCTCCCGCGGCCACTCGGGGCGCTACTGGGCTGAGATCTCGG
ATACCATCATCTCTGGCACCTTCCACCAGTGGAGAGAGGGCACCACAAAAGTGAGGTCTTCTACCCAGGGGAGA
CGGTAGTACACGGGCTTGGTGAGGCAACAGCTGTGGAGTGGGGGCCAAACACATGGATGGTGGAGTACGGCCGGG
GCGTCATCCCATCCACCCTGGCCTTCGCGCTGGCCGACACTGTCTTCAGCACCCAGGACTTCCTCACCCCTCTTCT
ATACTCTTCGCTCCTATGCTCGGGGCTCCGGCTTGAGCTCACCACCTACCTCTTTGGCCAGGACCCTTGACCAG
CCAGGCCTGAAGGAAGACCTGCGGATGGACAGGAGCGGGCAGCCCGCACATATCCACTTGCTGGAGCCCATGTTT
ACAGACAGGGACATACACCATGCAGATCCTGAGTTCTGCTGTATGAGCAGGGATATCCATGCTTATGTATCCAA
ACACAGAGACCCATGGGAACAAATGAGACACATATAGATACTGAGACCTGTGTGTACAGTAGGACCATGCACTCA
CACCCATCTGGAGAGGGAGCCCCCGGTATACCAAGGGAGCCAGTTGTGTTTCAGACACACACATCACAGCTTGACT
CACTAACTGAGGCCTTTCCATAGCTCCACAGCTTCCACCTCCTCCCCACCAAACCGGGGTTCTAGAGTTAAGGA
TGGGGGAGGGTATTATACTGCCTCAGTCTGACTCCTCAACCCAGCAGCAATTTGAGGGGATGAGGGGGAAGAGGA
GCTGCCTTTTGGAGGCCCCCTTCACCTGCAGCTATGATGCCCTTCCCCTTCTCCCCTGTCCTCACCATATGCCTT
ATCCCCATTCTACTCCCCTGCTATGCAAGTGCCCCCTGTGGCTTGTCCCCAACCCCTCAGCAACAAAGCTCAGCT
GGGGAACGAGAGTAATTTGAAGAATGCTTGAAGTCAGCGTCTTCCATTCCAGAAAGACCCCCATTCTTCCTTTGG
GGGTATGATGTGGAAGCTGGTTTCAGCCAGGACCCACCCTGAGGAGAGGATCTAGACAGGTGGGCCTAATTCC
AAGGGGCCCTTCCTGGCCTGGAGAAGGCCTTTTACACACACACAACACATACACACACACACACATATCAC
AGTTTTACACAGCCCCCTGCTGCATTCTCTGTCCATCTGTCTGTTTCTATTAATAAAGATTTGTTGATCTGTTCC

2893/6881
FIGURE 2671

MQWAVGRRWAWAALLLAVAAVL TQVVWLWLGTQSFVFQREEIAQLARQYAGLDHELAFSRLIVELRRLHPGHVLP
DEELQWVFVNAGGWMGAMCLLHASLSEYVLLFGTALGSRGHSGRYWAEISDTIISGTFHQWREGTTKSEVFYPGE
TVVHGPGEATAVEWGPNTWMVEYGRGVIPSTLAFALADTVFSTQDFLTLLFYTLRSYARGLRLELT TYLFGQDP

2894/6881
FIGURE 2672

GATGATATGGCAGCCTGCATGAAGTCTGTAAGTGAAGGAGCTTAATTATCCAATGAGGAGAGGAATCTTCTC
TCAGTTGCTTATAAAAAATGTTGTAGGAGCCCGTAGGTCATCTTGGAGCATCGTCTCAAGTATTGAACAAAAGACA
GAAGGTGCTGAGAAAAAACAGCAGATGGCTCAAGAATACAGAGAGAAAAGTGAAGACCTAGCTAAGAGATAGCTG
CAATGATGTACTGTCCCTTTTGGAAAAGTTCTTGATCCCCAGTGCTTCACAAGCGAGAGCAAATTCTTCTATTG
AAAATGAAAGGAGATCACTACCATTACTTGGCTGAGGTTGCCGCTGGTGATGATAAGAAAGGGACTGTGGATCAG
TCACAACAAGCACACCAAGAAGCTTTTGAAATCAGCAAAAAGGAAATGCAACCAACATATCCTATCAGACTGGGT
CTGGCCCTTAACCTCTCCGTGTTCTATTATGACGTTCTGAATTCCCCAGAGAAAGCCTGCTCTCTTGCAAAGACA
GCTTTTGATGAAGCCATTGCTGAAGTTGATAACATTAAGTGAAGAGTCATCCAAAGACAGCACACTAATAATGCAA
TTACTGAGAGACAACTTGACATTGTGGTTTTTATGTTTAAATATTAGGGGAGTAGAGCCAGTTAACATTTAGGGAG
TTATCTGTTTTTATCTTGAGGTGGCCAATATGGGGATGTGGAATTTTTATACAAGTTATTAATGTTTGGCATAGT
ACTTTTGGTACATTGTGGCTT

2895/6881
FIGURE 2673

CTGCCACTGCCACCTCGCGGATCAGGAGCCAGCGTTGTTTCGCCCCAGCGCTCGCTGCCGGTGGGAGGAAGCGAGA
GGGAAGCCGCTTGCGGGTTTGTGCGCGCTGCTCGCCACCGCCTGGAAGAGCCGAGCCCCGGCCAGTCGGTCGC
TTGCCACCGCTCGTAGCCGTTACCCGCGGGCGCCACAGCCGCGGGCGGGAGAGGCGCGGCC**ATG**GCTTCTGG
AGCCGATTCAAAAGGTGATGACCTATCAACAGCCATTCTCAAACAGAAGAACCGTCCCAATCGGTTAATTGTTGA
TGAAGCCATCAATGAGGACAACAGTGTGGTGTCTTGTCCAGCCCAAGATGGATGAATTGCAGTTGTTCCGAGG
TGACACAGTGTGTGCTGAAAGGAAAGAAGAGACGAGAAGCTGTTTGCATCGTCCTTTCTGATGATACTTGTCTGA
TGAGAAGATTCCGATGAATAGAGTTGTTCCGAATAACCTTCGTGTACGCCTAGGGGATGTCATCAGCATCCAGCC
ATGCCCTGATGTGAAGTACGGCAAACGTATCCATGTGCTGCCATTGATGACACAGTGGAAAGGCATTACTGGTAA
TCTCTTCGAGGTATACCTTAAGCCGTACTTCTTGAAGCGTATCGACCCATCCGAAAAGGAGACATTTTTCTTGT
CCGTGGTGGGATGCGTGCTGTGGAGTTCAAAGTGGTGGAAACAGATCCTAGCCCTTATTGCATTGTTGCTCCAGA
CACAGTATCCACTGCGAAGGGGAGCCTATCAAACGAGAGGATGAGGAAGAGTCCTTGAATGAAGTAGGGTATGA
TGACATTGGTGGCTGCAGGAAGCAGCTAGCTCAGATAAAGGAGATGGTGGAACTGCCCCTGAGACATCTGCCCT
CTTTAAGGCAATTGGTGTGAAGCCTCCTAGAGGAATCTGCTTTACGGACCTCCTGGAACAGGAAAGACCCTGAT
TGCTCGAGCTGTAGCAAATGAGACTGGAGCCTTCTTCTTCTTGATCAATGGTCTGAGATCATGAGCAAATTGGC
TGGTGAGTCTGAGAGCAACCTTCGTAAAGCCTTTGAGGAGGCTGAGAAGAATGCTCCTGCCATCATCTTCATTGA
TGAGCTAGATGCCATCGCTCCCAAAAGAGAGAAAACCTCATGGCGAGGTGGAGCGGCGCATTGTATCACAGTTGTT
GACCCTCATGGATGGCCTAAAGCAGAGGGCACATGTGATTGTTATGGCAGCAACCAACAGACCCAACAGCATTGA
CCCAGCTCTACGGCGATTGTGCTGCTTTGACAGGGAGGTAGATATTGGAATTCCTGATGCTACAGGACGCTTAGA
GATTCTTCAGATCCATACCAAGAACATGAAGCTGGCAGATGATGTGGACCTGGAACAGGTAGCCAATGAGACTCA
CGGGCATGTGGGTGCTGACTTAGCAGCCCTGTGCTCAGAGGCTGCTCTGCAAGCCATCCGCAAGAAGATGGATCT
CATTGACCTAGAGGATGAGACCATTGATGCCGAGGTGATGAACCTCTCTAGCAGTTACTATGGATGACTTCCGGTG
GGCCTTGAGCCAGAGTAACCCATCAGCACTGCGGGAAACCGTGGTAGAGGTGCCACAGGTAACCTGGGAAGACAT
CGGGGGCCTAGAGGATGTCAAACGTGAGCTACAGGAGCTGGTCCAGTATCCTGTGGAGCACCCAGACAAATTCCT
GAAGTTTGGCATGACACCTTCCAAGGGAGTTCTGTTCTATGGACCTCCTGGCTGTGGGAAAACCTTTGTTGGCCAA
AGCCATTGCTAATGAATGCCAGGCCAACCTTCATCTCCATCAAGGGTCTGAGCTGCTCACCATGTGGTTTGGGGA
GTCTGAGGCCAATGTCAGAGAAATCTTTGACAAGGCCCGCCAAGCTGCCCCCTGTGTGCTATTCTTTGATGAGCT
GGATTGATTGCCAAGGCTCGTGGAGGTAACATTGGAGATGGTGGTGGGGCTGCTGACCGAGTCATCAACCAGAT
CCTGACAGAAATGGATGGCATGTCCACAAAAAAATGTGTTTCATCATTGGCGCTACCAACCGGCTGACATCAT
TGATCCTGCCATCCTCAGACCTGGCCGTCTTGATCAGCTCATCTACATCCCACTTCCTGATGAGAAGTCCCGTGT
TGCCATCCTCAAGGCTAACCTGCGCAAGTCCCCAGTTGCCAAGGATGTGGACTTGAGTTCCTGGCTAAAATGAC
TAATGGCTTCTCTGGAGCTGACCTGACAGAGATTGCCAGCGTGCTTGCAAGCTGGCCATCCGTGAATCCATCGA
GAGTGAGATTAGGCGAGAACGAGAGAGGCGAGACAAACCCATCAGCCATGGAGGTAGAAGAGGATGATCCAGTGCC
TGAGATCCGTCGAGATCACTTTGAAGAAGCCATGCGCTTTGCGCGCCGTTCTGTGATGACAATGACATTCCGAA
GTATGAGATGTTTGGCCAGACCCTTCAGCAGAGTCGGGGCTTTGGCAGCTTCAGATTCCCTTCAGGGAACCAGGG
TGGAGCTGGCCCCAGTCAGGGCAGTGGAGGCGGCACAGGTGGCAGTGTATACACAGAAGACAATGATGATGACCT
GTATGGCT**TAA**GTGGTGGTGGCCAGCGTGAGTGTGCTGGCCTGCCTGGACCTTGTTCCCTGGGGGTGGGGGCGCT
TGCCCAGGAGAGGGACCAGGGGTGCGCCACAGCCTGCTCCATTCTCCAGTCTGAACAGTTTCAGCTACAGTCTGA
CTCTGGACAGGGGGTTTCTGTTGCAAAAATACAAAACAAAAGCGATAAAAATAAAAGCGATTTTCATTTGGTAGGC
GGAGAGTGAATTACCAACAGGGAATTGGGCCTTGGGCCTATGCCATTTCTGTTGTAGTTTGGGGCAGTGCAGGGG
ACCTGTGTGGGGTGTGAACCAAGGCACTACTGCCACCTGCCACAGTAAAGCATCTGCACTTGACTCAATGCTGCC
CGAGCCCTCCCTTCCCCCTATCCAACCTGGGTAGGTGGGTAGGGGCCACAGTTGCTGGATGTTTATATAGAGAGT
AGGTTGATTTATTTTACATGCTTTTGAGTTAATGTTGGAAAACATAATCACAAGCAGTTTCTAAACCAAAAATGA
CATGTTGTAAAAGGACAATAAACGTTGGGTCAAATGG

2896/6881
FIGURE 2674

MASGADSKGDDLSTAILKQKNRPNRLIVDEAINEDNSVVSLSQPKMDELQLFRGDTVLLKGKKRREAVCIVLSDD
TCSDEKIRMNRVVRNNLRVRLGDVISIQPCPDVKYGKRIHVLPIDDTVEGITGNLFEVYLKPYFLEAYRPIRKGD
IFLVRGGMRAVEFKVETDPSPYCIVAPDTVHCEGEPKREDEEESLNEVGYYDDIGGCRKQLAQIKEMVELPLR
HPALFKAIGVKPPRGILLYGPPGTGKTLIARAVANETGAFFFFLINGPEIMSKLAGESESNLKAFEEAEKNAPAI
IFIDELDAIAPKREKTHGEVERRIVSQLLTLMMDGLKQRAHVIVMAATNRPN SIDPALRRFGRFDREVDIGIPDAT
GRLEILQIHTKNMKLADDVDLEQVANETHGHVGADLAALCSEALQAIRKKMDLIDLEDETIDAEVMNSLAVTMD
DFRWALSQSNPSALRETVVEVPQVTWEDIGGLEDVKRELQELVQYPVEHPDKFLKFGMTPSKGVLFYGPFGCGKT
LLAKAIAANECQANFISIKGPELLTMWFGSEANVREIFDKARQAAPCVLFFDELDSIAKARGGNIGDGGGAADRV
INQILTEMDGMSTKKNVFIIGATNRPD IIDPAILRPGRLDQLIYIPLPDEKSRVAILKANLRKSPVAKDVDLEFL
AKMTNGFSGADLTEICQRACKLAIRESIESEIRRERERQTNPSAMEVEEDDPVPEIRRDHFEEAMRFARRSVSDN
DIRKYEMFAQTLQQSRGFGSFRFPSGNQGGAGPSQGSGGGTGGSVYTEDNDDDLYG

2897/6881
FIGURE 2675

GGCTTCTGGGAGCGACCGCTCCGCTCGTCTCGTTGGTTCCGGAGGTCGCTGCGGCGGTGGGAAATGCTGGCGCGC
GCGGCGCGGGGCACTGGGGCCCTTTTGCTGAGGGGCTCTCTACTGGCTTCTGGCCGCGCTCCGCGCCGCGCCTCC
TCTGGATTGCCCCGAAACACCGTGGTACTGTTTCGTGCCGCAGCAGGAGGCCTGGGTGGTGGAGCGAATGGGGCCGA
TTCCACCGGATCCTGGAGCCTGGTTTGAACATCCTCATCCCTGTGTTAGACCGGATCCGATATGTGCAGAGTCTC
AAGGAAATTGTCAACAACGTGCCTGAGCAGTCGGCTGTGACTCTCGACAATGTAACCTCTGCAAATCGATGGAGTC
CTTTACCTGCGCATCATGGACCCTTACAAGGCAAGCTACGGTGTGGAGGACCCTGAGTATGCCGTCACCCAGCTA
GCTCAAACAACCATGAGATCAGAGCTCGGCAAACCTCTCTCTGGACAAAGTCTTCCGGGAACGGGAGTCCCTGAAT
GCCAGCATTGTGGATGCCATCAACCAAGCTGCTGACTGCTGGGGTATCCGCTGCCTCCGTTATGAGATCAAGGAT
ATCCATGTGCCACCCCGGGTGAAAGAGTCTATGCAGATGCAGGTGGAGGCAGAGCGGCGGAAACGGGCCACAGTT
CTAGAGTCTGAGGGGACCCGAGAGTCGGCCATCAATGTGGCAGAAGGGAAGAAACAGGCCCAGATCCTGGCCTCC
GAAGCAGAAAAGGCTGAACAGATAAATCAGGCAGCAGGAGAGGCCAGTGCAGTTCTGGCGAAGGCCAAGGCTAAA
GCTGAAGCTATTGGAATCCTGGCTGCAGCTCTGACACAACATAATGGAGATGCAGCAGCTTCACTGACTGTGGCC
GAGCAGTATGTCAGCGCGTTCTCCAAACTGGCCAAGGACTCCAACACTATCCTACTGCCCTCCAACCCTGGCGAT
GTCACCAGCATGGTGGCTCAGGCCATGGGTGTATATGGAGCCCTCACCAAAGCCCCAGTGCCAGGGACTCCAGAC
TCACTCTCCAGTGGGAGCAGCAGAGATGTCCAGGGTACAGATGCAAGTCTTGATGAGGAACTTGATCGAGTCAAG
ATGAGTTAGTGGAGCTGGGCTTGGCCAGGGAGTCTGGGGACAAGGAAGCAGATTTTCCTGATTCTGGCTCTAGCT
TCCCTGCCAAGATTTTGGTTTTTATTTTTTTATTTTGAACTTTAGTCGTGTAATAAACTCACCAGTGGCAAACCTG
AAAAAAAAAAAAAAAAAAAAAAAAAAAAA

2898/6881
FIGURE 2676

MLARAARGTGALLLRGSLASGRAPRRASSGLPRNTVVLFVPQQEAWVVERMGRFHRILEPGLNILIPVLDRIRY
VQSLKEIVINVPEQSAVTLDNVTLQIDGVLYLRIMDPYKASYGVEDPEYAVTQLAQTTMRSELGKLSLDKVFREER
ESLNASIVDAINQAADCWGIRCLRYEIKDIHVPPRVKESMQMQVEAERRKRATVLESEGTRESAINVAEGKKQAO
ILASEAEKAEQINQAAGEASAVLAKAKAKAEAIRILAAALTQHNGDAAASLTVAEQYVSFAFSKLAKDSNTILLPS
NPGDVTSMVAQAMGVYGALTKAPVPGTPDSLSSGSSRDVQGTASLDEELDRVKMS

2899/6881
FIGURE 2677

GGGCGGCCGGCCAATGCCGGACCGCTTCGGCACCGCCCGCCGATCCCTCCACCCGTGGGCGGGCAATGGCGGGC
GCAGTTTCGCTCTTGGGTGTGGTGGGGCTGCTGCTTGTGTCTGCGCTGTCCGGGGTCCTAGGAGACCGCGCCAAT
CCCGACCTCCGGGCACACCCAGGGAACGCAGCCACCCCGGCTCTGGAGCCACGGAACCCGGCGGGCGACACCG
CTCAAGGATCAACGCGAGCGGACCCGGGCCGGGTGCGCTGCCTCTGGGGGCGCTGTACACCGCGGCCCGTTCGCGGCT
TTTGTGCTGTACAAGTGTTCAGAGGGAAGATGAAACTGCGGTTCTCCACGAGGAGGCAAGCAAGCAGCAGCCA
CTGCAGTCAGGTGGGTTTAGCAGAAGTCTGTGCTGGGTGCGGGGAGTTTAGGGGACAGCAGAAGATACATAACCA
CTTCTGCCCCCTTTTTTCCCTTATCCCCAGAGCAACAGCTGGCCCGAGTTGACACAACAGCTGGCCCAGACAGAGC
AGCACCTGAACAACCTGATGGCCCAGCTGGACCCCTTTTTGAGCGGTGAGGAGAGCAATGATTCTGTGAATTTT
TGGGGAATTTGTGGCAGGAGGGAGGAATGGGGACATAGGTTGGGAGCCACTGAGTGGACATTTCTTCAGTGTGAC
TACTCTGGCTGGAGCCCAGCAGGAGCTTCTGAACATGAAGCTATGGACCATCCACGAGCTGCTGCAAGATAGCAA
GCCGGACAAGGATATGGAGGCTTCAGAACCAGGTGAAGGCTCGGGAGGCGAGTCTGCTGGAGGTGGAGACAAAGT
CTCTGAAACTGGAACATTCCTGATCTCTCCCCACACAGAGGCCAGCAGACCTCTTCCTGAGGACTTCTGTTTAAA
GGAGGACGAGGAGGAGATTGGTGACAGTCAGGCCTGGGAGGAGCCACAACTGGAGCACAGAGACATGGAACCT
AGCTACTTCCTGGGAGGTGGGGCGGGGACTACGGAGAAGGTGCAGCCAGGCTGTGGCAAAGGGCCCCAGTCACAG
CCTTGGCTGGGAAGGAGGGACGACAGCTGAAGGTGCGACTAAAACAAAGTCTGTTTTTCATG

2900/6881
FIGURE 2678

MAGAVSLLGVVGLLLVSALSGVLGDRANPDLRAHPGNAHPGSGATEPRRRPPLKDQRETRAGSLPLGALYTAA
VAAFVLYKCLQGKDETAVLHEEASKQQPLQSGGFSRSLCWVGGV

2901/6881
FIGURE 2679

AGTGTCGATCCCTCAGCCAGGGCATGGAGCTCTCCTGCCCGGTTGCGGGTGCCCGGTGCAAGAGCAGCGTGCCC
GCTGGGAGCGGAAACGCGCCTGCACCGCCCGGGAGCTGCTAGAGACCGAGCGGCGCTACCAAGAACAGCTGGGGC
TGGTGGCCACGTACTTTTTTGGGGATCCTGAAAGCCAAGGGGACCCTGCGACCACCTGAGCGCCAGGCCCTGTTTG
GCTCCTGGGAGCTCATCTACGGCGCCAGCCAGGAGCTGCTTCCCTACCTGGAAGGAGGATGCTGGGGCCAAGGGC
TGGAGGGCTTCTGCCGCCACTTGGAGCTCTATAACCAATTTGCTGCCAACTCAGAGAGGTCCAGACCACCTGTC
AGGAGCAGCTAAAGAAAAATAAAGGTTTCCGGAGGTTTGTACGGCTTCAGGAAGGCCGCCCTGAGTTTGGGGGCC
TTCAGCTCCAGGACCTGCTCCCTCTGCCTCTGCAACGGCTCCAGCAGTATGAGAATCTCGTCGTAGCTTTGGCTG
AAAACACAGGTCCCAACAGCCCTGACCATCAACAGCTCACACCTGTCCTTCCCTCATGAGAAGCTACTGCTTATG
TCCACAGACCAGGAGGAGCTGTCACGCTGGTACCACAGTCTGACTTGGGCTATCAGCAGCCAGAAAACTAGAGG
AATCTTATAGATTCCAGAACTCAGGATACCTCAGGGATAGGTCACAGCCAAGAGTACAAAGGAATCTTCAGTACT
GAACAAAACAGAACCCTTCATGATTTGACAAAGGTCACCTTCTGTTTGCTGGACCAAGCTACTCCAGATCATCT
GACCAACTCTTAAAAATCACGGCCAGGCACAGTGGCTCATGCCTGTAATCCCAGCACTTTGGGAAGCAGAGGTGG
CAGGATCATTCCAGCCCAGGAGTTCAAGACCAGCCTGGGCAACACAGTGAGTGAGACCCTGTCTCTATTTAAGAA
AAAATAATTAAGAAATTTTATTAAAAAAGAAGAATCAGGAAACCAAGTCCAACCCAACTAAACCTCAAATGAACC
AGCCCCTAACACAGATGAGGGGATTTGGGACTGATAAGCTCTGTGCTGTGTCCATGGCCCGTCATTTATCAAGGC
TGCAGCTTTGTAAATGTGGCTATTTTTATGTTGTGTATAGTTTCTATCATTTATTTTTTCCACTGGATTGAGTAA
AGTTTTTTTTTCTTTTTTTTTGGGAAAAGACCCTTCTGTCTCAGTTTTGCTATGAGAAAAGGGATTTTTTGGGCCCTGA
ACGCGGGCATGCTGGTGGCCTCAGGAATACGAGGAAAAGAGCTGGAGCTCCCTCTATCTTCTCTGCTGTCACACT
GGAAGGCAGCCTCTTTTTGTCTTAATAAGGACAGCTCTTCAAGAAGGCCCAGTTGTCTTAGGCACCTAGTATGG
GTGTGTACAACCAACTAGGATCGAAAAACACACAGGAGCACTCCATCATGAAAACAGACTTTGTTTTAGTCGAC
CTTCAGCTGTGCTCCCTCCCTTCCCAGCCAAGGCTGTGACTGGGGCCCTTTGCCACAGCCTGGCTGCACCTTCTCC
GTAGTCCCCGCCCCACCTCCCAGGAAGTAGCTAGGTTCCATGTCTCTGTGCTCCAGTTTGTGGGCTCCTCCCAGG
CCTGACTGTACCAATCTCCTCCTCGTCTCCTTTAAACAGAAGTCTCAGGAAGAGGTCTGCTGGCCTCTGTGT
GGGGAGAGATCAGGAATGTTCCAGTTTTCAGAGACTTTGTCTCCACCTCCAGCAGACTCGCCTCCCGAGCCTTAC
CTGTTTCTGAAGCCTCCATATCCTTGTCCGGCTTGCTATCTTGACAGCAGCTCGTGGATGGTCCATAGCTTCATGT
TCAGAAGCTCCTGCTGGGCTCCAGCCAGAGTAGTCACACTGAAGAAATGTCCACTCAGTGGCTCCCAACCTATGT
CCCCATTCTCCTCCTGCCACAAATTCCCCAAAATTACAGAATCATTGCTCTCCTCACCGCTCAAAAAGGGG
GTCCAGCTGGGCCATCAGGTTGTTTCAGGTGCTGCTCTGTCTGGGCCAGCTGTTGTGTCAACTGGGCCAGCTGTTG
CTCTGGGGATAAGGGAAAAAAGGGGGCAGAAGTGGTTATGTATCTTCTGCTGTCCCTAAACTCCCCGACCCAG
CACAGACTTCTGCTAAACCCACCTGACTGCAGTGGCTGCTGCTTGTCTGCTCCTCGTGGAGAACCGCAGTTTCA
TCTTTCCCTGTTGTGGAAGAAGGAAAGGGCAGTACTGAAGCAACAAGGTTCTGCTCCATCACCTCAGTCTCCAG
AGCCAGCCAAGAGAGAGTGCAATTTGAGATGGAGACAGTGATTGGGTTTTTACCTCAGAGAATCACAATCCTAGT
CTATCTAGCTCCTCACCCAGCATATGAAGCGACGTCCTATGTCCCACACATGGTCAGTTTGTGTAACACCTCCA
GGAATGAGCAACTCCCTCCGGTTTGAAAAAGCTCTGGTGGCTGAGTGCTGTGGCTCACACCTGTAATCCCAGCA
CTTCGGGAAGCCAAGGGCCTCCTCCCAAGGAGAACATGAGACCACTTCATATCTGGAACCTCTAGAAACACTGGCT
GCAGCAATCAACCTCCTGTGCCAAGGCTGGCCCCACTCTTGTAGCATGGACACTGCTAGCTGGGTTCAAATCCCA
GCTCCAGCAGTTGCCAGCGCTGGGTGACCTCGAGCAAGTGACTACTCCTCACTGGATTGTAGGAGAACTAAATGT
GATAGTCATTATTTACAGTTTACCACACGCTCTTCACATCCGTTACCTCCCTGGATCCTCAAAATAACCTCATAA
TATTGGAAGGCC

2902/6881
FIGURE 2680

TGCTGCTCTCCTCCCCTCCGTCCTCCTCGCCTGCCACCGGTGCACCCAGTCCGCTCACCCAGCCCAGTCCGTCC
GGTCCTCACCGCCTGCCGGCCGGCCACCCCCACCGCAGGCCATGGACGCCATCAAGAAGAAGATGCAGATGCT
GAAGCTGGACAAGGAGAACGCCATCGACCGCGCCGAGCAGGCCGAAGCCGACAAGAAGCAAGCTGAGGACCGCTG
CAAGCAGCTGGAGGAGGAGCAGCAGGCCCTCCAGAAGAAGCTGAAGGGGACAGAGGATGAGGTGGAAAAGTATTC
TGAATCCGTGAAGGAGGCCAGGAGAACTGGAGCAGGCCGAGAAGAAGGCCACTGATGCTGAGGCAGATGTGGC
CTCCCTGAACCGCCGATTTCAGCTGGTTGAGGAGGAGCTGGACCGGGCCCAGGAGCGCCTGGCTACAGCCCTGCA
GAAGCTGGAGGAGGCCGAGAAGGCGGCTGATGAGAGCGAGAGAGGAATGAAGGTCATCGAAAACCGGGCCATGAA
GGATGAGGAGAAGATGGAAGTGCAGGAGATGCAGCTGAAGGAGGCCAAGCACATCGCTGAGGATTTCAGACCGCAA
ATATGAAGAGGTGGCCAGGAAGCTGGTGATCCTGGAAGGAGAGCTGGAGCGCTCGGAGGAGAGGGCTGAGGTGGC
CGAGAGCCGAGCCAGACAGCTGGAGGAGGAAGTTCGAACCATGGACCAGGCCCTCAAGTCCCTGATGGCCCTCAGA
GGAGGAGTATTCCACCAAAGAAGATAAATATGAAGAGGAGATCAAAGTGTGGAGGAGAAGCTGAAGGAGGCTGA
GACCCGAGCAGAGTTTGCCGAGAGGTCTGTGGCAAAGTTGGAGAAAACCATCGATGACCTAGAAGAGACCTTGGC
CAGTGCCAAGGAGGAGAACGTCGAGATTACACAGACCTTGGACCAGACCCTGCTGGAAGTCAACAACCTGTGAGG
GCCAGCCCCACCCCAGCCAGGCTATGGTTGCCACCCCAACCCAATAAACTGATGTTACTAGCCTCTC

2903/6881
FIGURE 2681

MDAIKKKMQLKLDKENAIDRAEQAEADKKQAEDRCKQLEEEQQALQKKLKGTEDEVEKYSESVKEAQEKLEQAE
KKATDAEADVASLNRRIQLVEEELDRAQERLATALQKLEEAEKAADESERGMKVIENRAMKDEEKMELQEMQLKE
AKHIAEDSDRKYEEVARKLVILEGELERSEERA EVAESRARQLEEEELRTMDQALKSLMASEEEYSTKEDKYEEEI
KLLEEKLEAEETRAEFAERSVAKLEKTIDDLLEETLASAKEENVEIHQTLDTLLELNNL

2904/6881
FIGURE 2682A

CCCGAGAAGCGGCGGGGCGGGCCGGCGGGCGGGGCGCAGAGCCAGGCAGCGCAGGTATAGCCAGGCTGGAGA
AAAGAAGCTGCCACCAATGGTTGCACTTTCACTGAAGATCAGCATTGGGAATGTGGTGAAGACGATGCAGTTTGAG
CCGTCTACCATGGTGTACGACGCCTGCCGCATCATTCTGTGAGCGGATCCCAGAGGCCCGAGCTGGTCTCTCCAGC
GACTTTGGGCTCTTTCTGTCTCAGATGATGACCCCAAAAAGGGTATATGGCTGGAGGCTGGGAAAGCTTTGGACTAC
TACATGCTCCGAAATGGGGACACTATGGAGTACAGGAAGAAACAGAGACCCCTGAAGATCCGTATGCTGGATGGA
ACTGTGAAGACGATCATGGTGGATGACTCTAAGACTGTCACTGACATGCTCATGACCATCTGTGCCCGCATTGGC
ATCACCAATCATGATGAATATTCATTGGTTCGAGAGCTGATGGAAGAGAAAAAGGAGGAAATAACAGGGACCTTA
AGAAAGGACAAGACATTGCTGCGAGATGAAAAGAAGATGGAGAACTAAAGCAGAAATTGCACACAGATGATGAG
TTGAACTGGCTGGACCATGGTCGGACACTGAGGGAGCAGGGTGTAGAGGAGCACGAGACGCTGCTGCTGCGGAGG
AAGTTCTTTTACTCAGACCAGAATGTGGATTCCCGGGACCCTGTACAGCTGAACCTCCTGTATGTGCAGGCACGA
GATGACATCCTGAATGGCTCCACCCCTGTCTCCTTTGACAAGGCCTGTGAGTTTGCTGGCTTCCAATGCCAGATC
CAGTTTGGGCCCCACAATGAGCAGAAGCACAAGGCTGGCTTCCTTGACCTGAAGGACTTCCTGCCCCAAGGAGTAT
GTGAAGCAGAAGGGAGAGCGTAAGATCTTCCAGGCACACAAGAATTGTGGGCAGATGAGTGAGATTGAGGCCAAG
GTCCGCTACGTGAAGCTAGCCCGTTCTCTCAAGACTTACGGTGTCTCCTTCTTCTTGGTGAAGGAAAAAATGAAA
GGGAAGAACAAGCTAGTGCCAGGCTTCTGGGCATCACCAGGAGTGTGTGATGCGAGTGGATGAGAAGACCAAG
GAAGTGATCCAGGAGTGGAACTCACCACATCAAACGCTGGGCTGCGTCTCCCAAAAGCTTCACCTGGATTTT
GGAGATTACCAAGATGGCTATTACTCAGTACAGACAAGTGAAGGGGAGCAGATTGCACAGCTCATTGCCGGCTAC
ATCGATATCATCTGAAGAAGAAAAAAGCAAGGATCACTTTGGGCTGGAAGGAGATGAGGAGTCTACTATGCTG
GAGGACTCAGTGTCCCCCAAAAGTCAACAGTCTGCAGCAGCAATACAACCGGGTGGGGAAGTGGAGCATGGC
TCTGTGGCCCTGCCTGCCATCATGCGCTCTGGAGCCTCTGGTCTGAGAATTTCCAGGTGGGCAGCATGCCCCCT
GCCAGCAGCAGATTACCAGCGGCCAGATGCACCGAGGACACATGCCTCCTCTGACTTCAGCCAGCAGGCACTC
ACTGGAACCATTAACCTCCAGCATGCAGGCCGTGCAGGCTGCCAGGCCACCCTGGATGACTTTGACACTCTGCCG
CCTCTTGGCCAGGATGCTGCCCTCTAAGGCCTGGCGTAAAAACAAGATGGATGAATCAAAGCATGAGATCCACTCT
CAGGTAGATGCCATCACAGCTGGTACTGCGTCTGTGGTGAACCTGACAGCAGGGGACCCTGCTGAGACAGACTAT
ACCGCAGTGGGCTGTGCAGTCACCACAATCTCCTCCAACCTGACGGAGATGTCCCGTGGGGTGAAGCTGCTGGCT
GCCTTGCTGGAGGACGAAGGCGGCAGTGGTCGGCCCTGTTGCAGGCAGCAAAGGGCCTTGCGGGAGCAGTGTCA
GAACTGCTGCGCAGTGCCCAACCAGCCAGTGTGAGCCCCGTGAGAACCTGCTGCAAGCAGCTGGGAACGTGGGC
CAGGCCAGTGGGGAGCTGTTGCAACAAATTGGGGAAAGTGATACTGACCCCCACTTCCAGGATGCGCTAATGCAG
CTCGCCAAAGCTGTGGCAAGTGTGTCAGCTGCCCTGGTCTCAAGGCCAAGAGTGTGGCCAGCGGACAGAGGAC
TCGGGACTTCAGACCCAAGTTATTGCTGCAGCAACACAGTGTGCCCTATCCACTTCCCAACTAGTGGCCTGTACT
AAGGTGGTGGCACCTACAATCAGCTCACCTGTCTGCCAAGAGCAACTGGTGGAGGCTGGACGACTGGTAGCCAAA
GCCGTGGAGGGCTGTGTGTCTGCCTCCAGGCAGCTACAGAGGATGGGCAACTGTTGCGAGGGGTAGGAGCAGCA
GCCACAGCTGTCAACCAGGCCCTAAATGAGCTGCTGCAGCATGTGAAAGCCCATGCCACAGGGGCTGGGCCTGCT
GGCCGTTATGACCAGGCTACTGACACCATCCTAACCGTCACTGAGAACATCTTTAGCTCCATGGGTGATGCTGGG
GAGATGGTGGGACAGGCCCCGATCCTGGCCCAAGCCACATCTGACCTGGTCAATGCCATCAAGGCTGATGCTGAG
GGGGAAGTGATCTGGAGAACTCCCGCAAGCTCTTAAGTGCTGCCAAGATCCTAGCTGATGCCACAGCCAAGATG
GTAGAGGCTGCCAAGGGAGCAGCTGCCACCCTGACAGTGAGGAGCAGCAGCAGCGGCTGCGGGAGGCAGCTGAG
GGGCTGCGCATGGCCACCAATGCAGCTGCGCAGAATGCCATCAAGAAAAAGCTGGTGCAGCGCCTGGAGCATGCA
GCCAAGCAGGCTGCAGCCTCAGCCACACAGACCATCGCTGCAGCTCAGCACGCAGCCTCTACCCCCAAAGCCTCT
GCCGGCCCCCAGCCCCCTGCTGGTGCAGAGCTGCAAGGCAGTGGCAGAGCAGATTCCACTGCTGGTGCAGGGCGTC
CGAGGAAGCCAAGCCCCAGCCTGACAGCCCCAGCGCTCAGCTTGCCCTCATTGCTGCCAGCCAGAGCTTCCTGCAG
CCAGGTGGGAAGATGGTGGCAGCTGCAAAGGCCTCAGTGCCAACGATTGAGGACCAGGCTTCAGCCATGCAGCTG
AGTCAGTGTGCCAAGAACCTGGGCACCGCGCTGGCTGAACTCCGGACGGCTGCCAGAAGGCTCAGGAAGCATGT
GGACCTTTGGAGATGGATTCTGCACTGAGTGTGGTACAGAATCTAGAGAAAGATCTACAGGAAGTGAAGGCAGCA
GCTCGAGATGGCAAGCTTAAACCTTACCTGGGGAGACAATGGAGAAGTGTACCCAGGACCTGGGCAACAGCACC
AAAGCCGTGAGCTCAGCCATCGCCAGCTACTGGGAGAGGTTGCCAGGGCAATGAGAATTATGCAGGTATTGCA
GCTCGGGATGTGGCAGTGGGCTGCGGTCACTGGCCAGGCCGCTAGGGGAGTGCCTGCACTGACGTCAGATCCT
GCAGTGCAGGCCATTGTACTTGATACGGCCAGTGATGTGTGGACAAGGCCAGCAGCCTCATTGAGGAGGCGAAA

2905/6881
FIGURE 2682B

AAGGCAGCTGGCCATCCAGGGGACCCTGAGAGCCAGCAGCGGCTTGCCCAGGTGGCTAAAGCAGTGACCCAGGCT
CTGAACCGCTGTGTGTCAGCTGCCTACCTGGCCAGCGCGATGTGGATAATGCCCTGAGGGCAGTTGGAGATGCCAGC
AAGCGACTCCTGAGTGACTCGCTTCCTCCTAGCACTGGGACATTTCAAGAAGCTCAGAGCCGGTTGAATGAAGCT
GCTGCTGGGCTGAATCAGGCAGCCACAGAAGCTGGTGCAGGCCTCTCGGGGAACCCCTCAGGACCTGGCTCGAGCC
TCAGGCCGATTTGGACAGGACTTCAGCACCTTCCTGGAAGCTGGTGTGGAGATGGCAGGCCAGGCTCCGAGCCAG
GAGGACCGAGCCCCAAGTTGTGTCCAACCTGAAGGGCATCTCCATGTCTTCAAGCAAACCTCTTCTGGCTGCCAAG
GCCCTGTCCACGGACCCTGCTGCCCCTAACCTCAAGAGTCAGCTGGCTGCAGCTGCCAGGGCAGTAACTGACAGC
ATCAATCAGCTCATCACTATGTGCACCCAGCAGGCACCCGGCCAGAAGGAGTGTGATAACGCCCTGCGGGAATTG
GAGACGGTCCGGGAACCTCCTGGAGAACCCAGTCCAGCCCATCAATGACATGTCTTACTTTGGTTGCCTGGACAGT
GTAATGGAGAAGCTCAAAGGTGCTGGGCGAGGCCATGACTGGCATCTCCAAAATGCCAAGAACGGAAACCTGCCA
GAGTTTGGAGATGCCATTTCCACAGCCTCAAAGGCATTTGTGGCTTCACCGAGGCAGCTGCACAGGCTGCATAT
CTGGTTGGTGTCTCTGACCCCAATAGCCAAGCTGGACAGCAAGGGCTAGTGGAGCCACACAGTTTGGCCGTGCA
AACCAGGCAATTCAGATGGCCTGCCAGAGTTTGGGAGAGCCTGGCTGTACCCAGGCCCAGGTGCTCTCTGCAGCC
ACCATTGTGGCTAAACACACCTCTGCACTGTGTAACAGCTGTGCGCTGGCTTCTGCCCCGTACCACCAATCCTACT
GCCAAGCGCCAGTTTGTACAGTCAGCCAAGGAGGTGGCCAACAGCACAGCTAATCTTGTCAAGACCATCAAGGCG
CTAGATGGGGCCTTCACAGAGGAGAACCCTGCCCAGTGGCAGCAGCAACAGCCCTCTGCTGGAGGCTGTGGAC
AATCTGAGTGCCTTTGCGTCCAACCCTGAGTTCTCCAGCATTCCTGCCAGATCAGCCCTGAGGGTCGGGCTGCC
ATGGAGCCCATTGTGATCTCTGCCAAGACAATGTTAGAGAGTGCCGGGGGACTCATCCAGACAGCCGGGCCCCC
GCAGTCAATCCCCGGGACCCCCCGAGCTGGTGGTGTGCTGGCCGGCCACTCCCGTACTGTCTCAGACTCCATCAAG
AAGCTAATTACAAGCATGAGGGACAAGGCTCCAGGGCAGCTGGAGTGTGAAACGGCCATTGCAGCTCTGAACAGT
TGTCTACGGGACCTAGACCAGGCTTCCCTCGCTGCAGTCAGCCAGCAGCTTGCTCCCCGTGAGGGAATCTCTCAA
GAGGCCTTGACACTCAGATGCTCACTGCAGTCCAAGAGATCTCCCATCTCATTGAGCCGCTGGCCAATGCTGCC
CGGGCTGAAGCCTCCAGCTGGGACACAAGGTGTCCAGATGGCGCAGTACTTTGAGCCGCTCACCCCTGGCTGCA
GTGGGTGCTGCCTCCAAGACCCTGAGCCACCCGCAGCAGATGGCACTCCTGGACCAGACTAAAACATTGGCAGAG
TCTGCCCTGCAGTTGCTATACACTGCCAAGGAGGCTGGTGGTAACCCAAAGCAAGCAGCTCACACCCAGGAAGCC
CTGGAGGAGGCTGTGCAGATGATGACCGAGGCCGTAGAGGACCTGACAACAACCCCTCAACGAGGCAGCCAGTGCT
GCTGGGGTGGTGGGTGGCATGGTGGACTCCATCACCCAGGCCATCAACCAGCTAGATGAAGGACCAATGGGTGAA
CCAGAAGGTTTCCTTCGTGGATTACCAAACAATATGGTGGGACAGCCAAGGCCATTGCAGTGACCGTTTCAGGAG
ATGGTTACCAAGTCAAACACCAGCCAGAGGAGCTGGGCCCTCTTGCTAACAGCTGACCACTGACTATGGCCGT
CTGGCCTCGGAGGCCAAGCCTGCAGCGGTGGCTGCTGAAAATGAAGAGATAGGTTCCCATATCAAACACCGGGTA
CAGGAGCTGGGCCATGGCTGTGCCGCTCTGGTCACCAAGGCAGGCGCCCTGCAGTGCAGCCCCAGTGATGCCTAC
ACCAAGAAGGAGCTCATAGAGTGTGCCCGGAGAGTCTCTGAGAAGGTCTCCACGTCTTGCTGCGCTCCAGGCT
GGGAATCGTGGCACCCAGGCCCTGCATCACAGCAGCCAGCGCTGTGTCTGGTATCATTGCTGACCTCGACACCACC
ATCATGTTCCGCACTGCTGGCACGCTCAATCGTGAGGGTACTGAAACTTTCGCTGACCACCGGGAGGGCATCCTG
AAGACTGCGAAGGTGCTGGTGGAGGACACCAAGGTCTGGTGAAAACGCAGCTGGGAGCCAGGAGAAGTTGGCG
CAGGCTGCCCAGTCTCCGTGGCGACCATCACCCGCCTCGCTGATGTGGTCAAGCTGGGTGCAGCCAGCCTGGGA
GCTGAGGACCCTGAGACCCAGGTGGTACTAATCAACGCAGTGAAAGATGTAGCCAAAGCCCTGGGAGACCTCATC
AGTGCAACGAAGGCTGCAGCTGGCAAAGTTGGAGATGACCCTGCTGTGTGGCAGCTAAAGAACTCTGCCAAGGTG
ATGGTGACCAATGTGACATCATTGCTTAAGACAGTAAAAGCCGTGGAAGATGAGGCCACCAAGGCACTCGGGCC
CTGGAGGCAACCACAGAACACATACGGCAGGAGCTGGCGGTTTTCTGTTCCCCAGAGCCACCTGCCAAGACCTCT
ACCCACAGAAGACTTCATCCGAATGACCAAGGGTATCACCATGGCAACCGCCAAGGCCGTTGCTGCTGGCAATTCC
TGTCGCCAGGAAGATGTCAATTGCCACAGCCAATCTGAGCCGCCGTGCTATTGCAGATATGCTTCGGGCTTGCAAG
GAAGCAGCTTACCACCCAGAAGTGGCCCCGTGATGTGCGGCTTCGAGCCCTGCACTATGGCCGGGAGTGTGCCAAT
GGCTACCTGGAAGTGTGGACCATGTACTGCTGACCCTGCAGAAGCCAAGCCAGAACTGAAGCAGCAGTTGACA
GGACATTCAAAGCGTGTGGCTGGTTCCGTCACTGAGCTCATCCAGGCTGCTGAAGCCATGAAGGGAACAGAATGG
GTAGACCCAGAGGACCCACAGTCATTGCTGAGAATGAGCTCCTGGGAGCTGCAGCCGCCATTGAGGCTGCAGCC
AAAAAGCTAGAGCAGCTGAAGCCCCGGGCCAAACCCAAGGAGGCAGATGAGTCCTTGAACCTTGAGGAGCAGATA
CTAGAAGCTGCCAAGTCCATTGCAGCAGCCACCAGTGCAGTGGTAAAGGCTGCGTGGCTGCCAGAGAGAACTA

2906/6881
FIGURE 2682C

GTGGCCCAAGGGAAGGTGGGTGCCATTCCAGCCAATGCACTGGACGATGGGCAGTGGTCCCAGGGCCTCATTCT
GCTGCCCCGATGGTGGCTGCGGCCACCAACAATCTGTGTGAGGCAGCCAATGCAGCTGTACAAGGCCATGCCAGC
CAGGAGAAGCTCATCTCATCAGCCAAGCAGGTAGCTGCCTCCACAGCCCAGCTCCTTGTGGCCTGCAAGGTCAAG
GCTGACCAGGACTCGGAGGCAATGAAACGACTTCAGGCTGCTGGCAACGCAGTGAAGCGAGCCTCAGATAATCTG
GTGAAAGCAGCACAGAAGGCTGCAGCCTTTGAAGAGCAGGAGAATGAGACAGTGGTGGTGAAGAGAAGATGGTT
GGCGGCATTGCCCAGATCATCGCAGCACAGGAAGAAATGCTTCGGAAGGAACGAGAGCTGGAAGAGGCGCGGAAG
AAACTGGCCCAGATCCGGCAGCAGCAGTACAAGTTTCTGCCTTCAGAGCTTCGAGATGAGCACTAAAGAAGCCTC
TTCTATTTAATGCAGACCCGCCCCAGAGACTGTGCGTGCCACTACCAAAGCCTTCTGGGCTGTCGGGGCCCAACC
TGCCCAACCCAGCACTCCCCAAAGTGCCTGCCAAACCCAGGGCCTGGCCCCGCCAGTCCCGCAGTACATCCC
CTGTCCCTCCCCAACCCAAAGTGCCTTCATGCCCTAGGGCCCCCAAGTGCCTGCCCTCCCCAGAGTATTAAC
GCTCCAAGAGTATTATTAACGCTGCTGTACCTCGATCTGAATCTGCCGGGGCCCCAGCCCACTCCACCCTGCCAG
CAGCTTCAGCCAGTCCCCACAGCCTCATCAGCTCTCTTACCGTTTTTTGATACTATCTTCCCCACCCCCAGC
TACCCATAGGGGCTGCAGAGTTATAAGCCCCAAACAGGTCATGCTCCAATAAAAATGATTCTACCTACAAAAAA
AAAAAAAAAAAA

2907/6881
FIGURE 2683

MVALSLKISIGNVVKTMQFEPSTMVYDACRIIRERIPEAPAGPPSDFGLFLSDDDPKKGIWLEAGKALDYMLRN
GDTMEYRKKQRPLKIRMLDGTVKTIMVDDSKTVDMLMTICARIGITNHDEYSLVRELMEEEKKEEITGTLRKDKT
LLRDEKKMEKLLKQKLHTDDELNWLHDGRTLREQGVEEHETLLLRKFFYSQNVDSRDPVQLNLLYVQARDDILN
GSHPVSFDKACEFAGFQCQIQFGPHNEQKHKAGFLDLKDFLPKEYVVKQKGERKIFQAHKNCGQMSEIEAKVRYVK
LARSLKTYGVSFLLVKEKMKGKKNKLVPRLLGITKECVMRVDEKTEVIQEWNLNINIKRWAASPKSFTLDFGDYQD
GYYSVQTTEGEQIAQLIAGYIDIIILKKKKSKDHFGLGDEESTMLEDSVSPKKSTVLQQQYNRVGKVEHGSVALP
AIMRSGASGPENFQVGSMPPAQQQITSGQMRGHMPPLTSAQQALTGTINSSMQAVQAAQATLDDFDLPLPLGQD
AASKAWRKNKMDSEKHEIHSQVDAITAGTASVVNLTAGDPAETDYTAGCAVTTISSNLTEMSRGVKLLAALLED
EGGSGRPLLQAAKGLAGAVSELLRSAQFASAEPRQNLQAAGNVGQASGELLQQIGESDTPHFQDALMQAKAV
ASAAAALVLKAKSVAQRTEDSGLQTQVIAAATQCALSTSQVLVACTKVVAPTISSPVCQEQLV EAGRLVAKAVEGC
VSASQAATEDGQLLRGVGAAATAVTQALNELLOHVKAHATGAGPAGRYDQATDTILTVTENIFSSMGDAGEMVGO
ARILAQATSDLVNAIKADAEGESDLENSRKLLSAAKILADATAKMVEAAKGAAHPDSEEQQORLEAAEGLRMA
TNAQAQNAIKKKLVORLEHAAKQAAASATQTIAAAQHAASPKASAGPQPLLVSCKAVAEQIPLLVGVRGSQA
QPDSPSAQLALIAASQSFLQPGGKMVAAAKASVPTIQDQASAMQLSQCAKNLGTALAEALRTAAQKAQEACGPLEM
DSALSVVQNLEKDLQEVKAAARDGKLKPLPGETMEKCTQDLGNSTKAVSSAIAQLLGEVAQGNENYAGIAARDVA
GGLRSLAQAAARGVAALTSDFAVQAIVLDTASDVLDKASSLIEEAKKAAGHPGDPESQORLAQVAKAVTQALNRCV
SCLPGQRVDNALRAVGDAKRLSDSLPPSTGTGFQEAQSRLNEAAAGLNQAATELVQASRGTPQDLARASGRFG
QDFSTFLEAGVEMAGQAPSQEDRAQVVSNLKGISMSSSKLLLLAAKALSTDPAAPNLKSQAAAAARAVTDSINQLI
TMCTQQAPGQKECDNALRELETVRELLENPVQPINDMSYFGCLDSVMENSKVLGEAMTGISQNAKNGNLPEFGDA
ISTASKALCGFTEAAAQAAAYLVGVSDPNSQAGQQGLVEPTQFARANQAIQMACQSLGEPGCTQAQVLSAATIVAK
HTSALCNSCRLASARTTNPTAKRQFVQSAKEVANSTANLVKTIKALDGAFTENRAQCRAATAPLLEAVDNLISAF
ASNPEFSSIPAQISPEGRAAMEPIVISAKTMLESAGGLIQTARALAVNPRDPPSWSVLAGHSRTVSDSIKKLITS
MRDKAPGQLECEATAIAALNSCLRDLDQASLAASVQQLAPREGISQEALHTQMLTAVQEI SHLIEPLANAARAEAS
QLGHKVSQMAQYFEPLTLAAVGAASKTL SHPQQMALLDQTKTLAESALQLLYTAKEAGGNPKQAAHTQEAL EEEAV
QMMTEAVEDLTTTLNEAASAAGVVGMVDSITQAINQLDEGPMGEPEGSFVDYQTTMVRTAKAIAVTVQEMVTKS
NTSPEELGPLANQLTSDYGRASEAKPAAVAENEIEGSHIKHRVQELGHGCAALVTKAGALQCSPSDAYTKKEL
IECARRVSEKVS HVLAALQAGNRGTQACITAASAVSGIIADLDTTIMFATAGTLNREGTETFADHREGILKTAKV
LVEDTKVLVQNAAGSQEKLAQAAQSSVATITRLADVVKLGAASLGAEDPETQVVLINAVKDVAKALGDLISATKA
AAGKVGDPAVWQLKNSAKVMVTNVTSLKTVKAVEDEATKGTRALEATTEHIRQELAVFCSPEPPAKTSTPEDF
IRMTKGITMATAKAVAAGNSCRQEDVIATANLSRRAIADMLRACKEAAYHPEVAPDVRLRALHYGRECANGYLEL
LDHVLLTLQKPSPELKQQLTGHSKRVAGSVTELIQAAEAMKGT EWVDPEDPTVIAENELLGAAAAIEAAAKKLEQ
LKPRAKPKEADESLNFEEQILEAAKSIAAATSALVKAASAAQRELVAQGVGAIPANALDDGQWSQGLISAARMV
AAATNNLCEAANA AVQGHASQEKLISSAKQVAASTAQLLVACKVKADQDSEAMKRLQAAGNAVKRASDNLVKAQ
KAAAFEEQENETVVVKEKMVGGAIAQIIAAQEEMLRKERELEEARKKLAQIRQQQYKFLPSELRDEH

2908/6881
FIGURE 2684

AGACCGGAAAGGGCTCGGGTCATCCCGGCGCCAGGGTCACCTTCCCACGGGCTGGCACCTGGGCGCGGGCGCTG
CCCCGGAGCCGGCCGGCGGGACCTGGCGCCCAATCCTGGGGGACCCGGTGCCGTGGCCAGGGGCGGGCCGAGG
TCCCGGGGGCGGTGCCTTGCGGGCCCGTCCCGGGGCGGTGCCTGGTGGGCTGGCCCCGCGGCTCCTCCCCTCTCT
GCGGGCCAGTCGCCCTTTGGCCGGGCGAGCTAATCGTCGGCTCAATGACGACGAGGCCCCACCCTTCCCGTCCA
GGACCTACAGAGACAACCGAAGGAGAGCCCAAGGCGGCTTCTTTGCTGTCGCCGCCCCACTGAAGCAAGAGCTC
CCCGGCTCCACTGAAACACCAGCTCATTTAAGCTTTCCCAACGCCCGGCCCTCCGGGACGATACCTAACAACGA
CCGGCGCCCGCATCTGGAATAGGCTGGCGAGATACTTAGTATCCGAGGGCTCGGGACTTGGCGCCATCGAGGTCA
TGGGGACCCAGGATCCAGGGAACATGGGAACCGGCGTCCCAGCCTCGGAGCAGATAAGCTGTGCCAAAGAGGATC
CACAAGTTTATTGCCCTGAAGAGACTGGCGGCACCAAGGATGTGCAGGTTACAGACTGTAAGAGTCCCCGAAGACA
GCCGACCCCCAAAAGAGACGGACTGCTGCAATCCGGAGGACTCTGGGCAGCTGATGGTTTCTATGAGGGTAAAG
CTATGGGCTACCAGGTGCCCTCCCTTTGGCTGGCGCATCTGTCTGGCTCATGAGTTTACAGAGAAGAGGAAACCCT
TTCAAGCTAACAACGTCTCCCTAAGCAACATGATAAAGCATATAGGCATGGGCTTGAGGTACCTGCAGTGGTGGT
ACCGGAAGACCCATGTGGAAAAGAAGACACCTTTTCATCGACATGATCAATTCTGTACCCCTAAGACAGATTTATG
GTTGTCCCTTGGGTGGCATCGGGGGAGGCACATTACCCGTGGCTGGAGAGGCCAGTTCTGTCTTGGCAGCTTA
ACCCTGGAATGTATCAGCACCGGACAGTCATCGCTGACCAAGACAGCAGCCTGCCTGTAGGAGTCTTTGTGTGGG
ATGTGGAATGAAGGGGACGAAGCTCTAGATGTGTCCATCATGTTCTCCATGCGGAATGGACTGGGTGGTGGAG
ACGATGCCCCAGGGGTTTGTGGAATGAGCCCTTCTGTCTGGAGCGTAGCGGGGAAACTGTCCGGGGGCTGCTCCT
GCATCATCCAACCTTCCAAACCCCTACAGGATGGCTGTGGCTGCACGAGTCACGGCAGCTACCACGGTAACCCA
CATCACAGCCTTTGACCCTGACAGCACGGGGCAGCAGGTGTGGCAGGATCTACTTCAGGATGGACAGCTGGACTC
TCCCACTGGCCAAAGCACCCCTACGCAGAAAGGAGTAGGCATTGCTGGAGCTGTGTGTGTTTCCAGCAAGTTGCG
ACCTCGAGGGCAGTGCCGCTGGAGTTTTTCACTGGCTTGGGACATGCCAGGATCATGTTTGGAGCTAAAGGCCA
AGTCCACTACAGGCGGTATACAAGTTTCTTTGGCCAGGATGGAGATGCAGCACCTGCCCTCAGCCACTATGCAT
GTGCCGATACGCAGAGTGGAAGAGAGGATCTCAGCTTGGCAGAGCCCGGTATTGGATGACAGATCACTGCCTGC
CTGGTACAAATCTGCGCTGTTCAATGAACTATACTTCTTGGCTGATGGAGGCACAGTGTGGCTGGAAGTTCTTGA
GGACTCCCTACCAGAGGAGCTGGGCAGAAACATGTGTACCTCCGCCCCACCCTACGGGACTACGGTCGATTGCG
CTACCTTGAGGGCCAGGAGTACCGCATGTACAACACATATGATGTCCACTTTTATGCTTCCTTTGCCCTCATCAT
GCTCTGGCCCAAACCTTGAGCTCAGCCTACAGTATGACATGGCTCTGGCCACTCTCAGGGAGGACCTGACACGGCG
ACGGTACCTGATGAGTGGGGTGATGGCACCTGTGAAAAGGAGGAACGTATCCCCATGATATTGGGGACCCAGA
TGATGAACCATGGCTCCGCGTCAATGCATATTTAATCCATGATACTGCTGATTGGAAGGACCTGAACCTGAAGTT
TGTGCTGCAGGTTTATCGGGACTATTACCTCACGGGTGATCAAACTTCTTGAAGGACATGTGGCCTGTGTGCT
AGCTGTGATGGAATCTGAAATGAAGTTTGACAAGGACCATGATGGACTCATTGAAAATGGAGGCTATGCAGACCA
GACCTATGATGGATGGGTGACCACAGGCCCCAGTGCTTACTGTGGAGGGCTGTGGCTGGCAGCTGTGGCTGTGAT
GGTCCAGATGGCTGCTCTGTGTGGGGCACAGGACATCCAGGATAAGTTTCTTCTATCCTCAGCCGGGGCCAAGA
AGCCTATGAGAGACTGCTGTGGAATGGCCGCTATTACAACATGACAGCAGCTCTCGGCCCTCAGTCTCGTAGTGT
TATGTCTGACCAAGTGTGCTGGACAGTGGTTCTGAAGGCCTGTGGCCTAGGAGAAGGAGACACTGAGGTGTTTCC
TACCCAACATGTGGTCCGTGCTCTCCAACTATCTTTGAGCTGAACGTCCAGGCCTTTGCAGGAGGGGCCATGGG
GGCTGTGAATGGGATGCAGCCCCATGGTGTCCCTGATAAATCCAGTGTGCAGTCTGATGAAGTCTGGGTGGGTGT
GGTCTACGGGCTGGCAGCTACCATGATCCAAGAGGGCCTGACTTGGGAGGGCTTCCAGACAGCTGAAGGCTGCTA
CCGTACCGTGTGGGAGCGCCTGGGTCTGGCCTTCCAGACCCCAGAGGCATACTGCCAGCAGCGAGTGTTCGGCTC
ACTGGCCTACATGCGGCCACTGAGCATATGGGCCATGCAGCTAGCCCTGCAACAGCAGCAGCACAAAAGGCCCTC
CTGGCCAAAAGTCAAAACAGGGCACAGGACTAAGGACAGGGCCTATGTTTGGACCAAAGGAAGCCATGGCAAACCT
GAGCCCAGAGTGAAGCCGTCTGAACTGTGGGAGGGAAGTGCTAACAGCCCAGCCTCCAGCCTGGCCTTTCTCTCT
CCCCCTCTGAACCTCCTGCAACCCTGAGCCATCAGGACAATCATACCCCTTCCCTTCTCTCCACCAATTGTGCCA
GTAAATGGGGGTTGAGGGTGACCTAGGCAGCATTAGAATCACTTATTTATTTCTTCTCCTCACCTGTTCCCTGACT
GCGTGAAATGTTTACGGGAGGTGAGTTGATTTCCCCAGGTACATTCATGGTGTGACAGACACATGGGTACAAATAA
AAGACCCAGAAAGCC

2909/6881
FIGURE 2685

MAVAARVTAATTVTHITAFDPDSTGQQVWQDLLQDGLDSPTGQSTPTQKGVGIAGAVCVSSKLRPRGQCRLEFS
LAWDMPRIMFGAKGQVHYRRYTRFFGQDGDAAALSHYALCRYAEWEERISAWQSPVLDDRSPLPAWYKSALFNEL
YFLADGGTVWLEVLEDSLPEELGRNMCHLRPTLRDYGRFGYLEGQEYRMYNTYDVHIFYASFALIMLWPKLELSLQ
YDMALATLREDLTRRRYLMSGVMAVVKRRNVIPHDIGDPDDEPWLRVNAYLIHDTADWKDLNLKFVLQVYRDYYL
TGDQNFLKDMWPVCLAVMESEMKFDDKDHDLIENGGYADQTYDGWVTTGPSAYCGGLWLAAVAVMVQMAALCGAQ
DIQDKFSSILSRGQEAYERLLWNGRYNYDSSSRPQSRVMSDQCAGQWFLKACGLGEGDTEVFPTQHVVRALQT
IFELNVQAFAGGAMGAVNGMQPHGVDPKSSVQSDEVWVG VYGLAATMIQEGLTWEGFQTAEGCYRTVWERLGLA
FQTPEAYCQQRVFRSLAYMRPLSIWAMQLALQQQHHKASWPKVKQGTGLRTGPMFGPKEAMANLSPE

2910/6881
FIGURE 2686

AAAAAGAAATCAAGAATGCAATTTTATTTACAATAGTCACGCCAAAAATACCTAGAAATAAAATTTAACTGAGGAT
GTAAAAGACCTCTACAAGGAGAGTTCAATCGGTAGCGGGAGCGGAGAGCTGACCCCAGAGAGCCCTGGGCAGCCC
CACCTCCGCCCGCCGGCCTAGTTACCATCACACCCCGGGAGAAGCCGCAGCTGCCGCAGCCGGCCCCAGTCACCAT
CACCGCAACTATGAGCAGCGAGGCCGAGACCCAGCAGCCGCCCGCCGCTCCCCACGCCGCCCGCCCCGCCCTCAGCG
CCGCCGACACCCACCCCAGCACTGCAGGCAGCGGGCGCAGGAAGCGGTGGCCCCGGGCGGCCCTCACATCGGCGGGCGC
CTGCCGGCGGGGACAAGAAGGTCATCGCAACGAAGGTTTTGGGAACAGTAAAATGGTTTCAGTGTAAGGAACGGAT
ATGGTTTTCATCAACAGGAATGACACCAAGGAAGATGTATTTGTACACCAGACTGCCAGAAAGAAGAATAACCCCA
GGAAGTACCTTCGCAGTGTAGGAGATGGAGAGACTGTGGAGTTTGATGTTGTTGAAGGAGAAAAGGGTGC GGAGG
CAGCAAATGTTACAGGGCCTGGTGGTGTTCAGTTCAAGGCAGTACATATGCAGCAGACCGTAACCATTATAGAC
GCTATCCACGTCGTAGGGTCTCCACGCAATTACCAGCAAAATTACCAGAATAGTGAGAGTGGGGAAAAGAACGA
GGGATCGGAGAGTGCTCCCGCAGGCCAAGCCCAACAACGCCGGCCCTACCGCAGGCGAAGGTTCCACCTTACTA
CATGCGGAGACCCCTATGGGCGTCGACCACAGTATTCCAACCCTCCTGTGCAGGGTGAAGTGATGGAGGGTGCTGA
CAACCAGGGTG CAGGAGAACAAGGTAGACCAGTGAGGCAGAATACGTATCGGGGATATAGACCAGATTCCGCAG
GGGCCCTCCACGCCAAAGACAGCCTAGAGAGGACGGCAATGATGAAGATAAAGAAAATCAAGGAGATGAGACCCA
AGGTCAGCAGCCACCTCAACGTCGGTACCGCCGCAACTTCAATTGCCGACGCAGACACCCAGAAAACCCTAAACC
ACAAGATGGCAAAGAGACAAAAGCAGCCGATCCACCAGCTGAGAATTCGTCCACTCCTGAGGCTGAGCGGGGCAG
GACTGAGT**TAA**ATGCCAGCTTACCATCTCTACCATCATCCGTTTTAGTCATCCAACAGGAAGAAATATGAAATTCC
AGCTATAAGAAATGAACAAAAGATTGGAGCTGAAGACCTTAAGTGCTTGCTTTTTTGCCGTTGACCAGATAAATA
GAACTATCTGCATTATCTATGCAGCATGGGATTTTTATTATTTTTTACCTAAAGACGTCTCTTTTTTGGTAATAACA
AACGTGTTTTTTAAAAAAGCCTGGTTTTTTTCAATACGCCTTTAAAGG

2911/6881
FIGURE 2687

MRRPYGRRPQYSNPPVQGEVMEGADNQGAGEQGRPVRQNTYRGYRPRFRRGPPRQRQPFREDGNDEDKENQGDETQ
GQPPQRRYRRNFCRRRHPENPKPDGKETKAADPPAENSSTPEAERGRTE

2912/6881
FIGURE 2688

GAAGAATAACCCAGGAAGTACCTTCGCAGTATTCCAACCCTCCTGTGCAGGGTGAAGTGATGGAGGGTGCTGAC
AACCAGGGTGCAGGAGAACAAGGTAGACCAGTGAGGCAGAATACGTATCGGGGATATAGACCACGATTCCGCAGG
GGCCCTCCACGCCAAAGACAGCCTAGAGAGGACGGCAATGATGAAGATAAAGAAAATCAAGGAGATGAGACCCAA
GGTCAGCAGCCACCTCAACGTCGGTACCGCCGCAACTTCAATTGCCGACGCAGACACCCAGAAAACCCTAAACCA
CAAGATGGCAAAGAGACAAAAGCAGCCGATCCACCAGCTGAGAATTTCGTCCACTCCTGAGGCTGAGCGGGGCAGG
ACTGAGTAAATGCCAGCTTACCATCTCTACCATCATCCGGTTTAGTCATCCAACAGGAAGAAATATGAAATTCCA
GCTATAAGAAATGAACAATAGAACTATCTGCATTATCTATGCAGCATGGGATTTTTATTATTTTTTACCTAAAGAC
GTCTCTTTTTGGTAATAACAAACGTGTTTTTT

2913/6881
FIGURE 2689

AGCGGTGGCTGCCGGGCGTGGTGTGCGGTGGGTGCGTTGGTTTTTGTCTCACCGTTGGTGTCCGTGCCGTTTCAGTT
GCCCCGCCATGGCTGAGCTGGATCCGTTTCGGCGCCCCCTGCCGGCGCCCCCTGGCGGTCCCCGCGCTGGGGAACGGAGT
GGCCGGCGCCGGCGAAGAAGACCCGGCTGCGGCCCTTCTTGGCGCAGCAAGAGAGCGAGATTGCGGGCATCGAGAA
CGACGAGGCCTTCGCCATCCTGGACGGCGGCGCCCCCGGGCCCCAGCCGCACGGCGAGCCGCCGGGGGGTCCGGA
TGCTGTTGATGGAGTAATGAATGGTGAATACTACCAGGAAAGTAATGGTCCAACAGACAGTTATGCAGCTATTTT
ACAAGTGGATCGATTGCAGTCAGAGCCTGAAAGTATCCGTAAATGGAGAGAAGAACAAATGGAACGCTTGGAAGC
CCTTGATGCCAATTCTCGGAAGCAAGAAGCAGAGTGGAAAGAAAAGGCAATAAAGGAGCTAGAAGAATGGTATGC
AAGACAGGACGAGCAGCTACAGAAAACAAAAGCAAACAACAGGGCAGCAGAAGAAGCCTTTGTAAATGACATTGA
CGAGTCGTCCCCAGGCACTGAGTGGGAACGGGTGGCCCGGCTGTGTGACTTTAACCCCAAGTCTAGCAAGCAGGC
CAAAGATGTCTCCCGCATGCGCTCAGTCCTCATCTCCCTCAAGCAGGCCCCGCTGGTGCACTGAAGAGCCACCCT
GTGGAACACTACATCTGCAATATCTTAATCCTACTCAGTGAAGCTCTTCACAGTCATTGGATTAATTATGTTGA
GTTCTTTTGGACCAAACCTTTTTGTCTTTAGAGTTGTTTCAATTGTTTGTGATTGCATGTTTCCTTCCTTCAACTGT
GTTCTCCCTGGCATTTCAGAGAGGAGGGAGAGGAGGAAGAGGAAGGGGAGGGAAGCTTCCCAAGAGTAGCCTCAAC
CTGTGCTTCTGTGCATTATTCTGAGAATAAATTTCTGTTTCAAAGTGT

2914/6881
FIGURE 2690

MAELDPFGAPAGAPGGPALGNGVAGAGEEDPAAFLAQQSEIAGIENDEAFAILDGGAPGPQPHGEPPGGPDAV
DGVMNGEYYQESNGPTDSYAAISQVDRLQSEPE SIRKWREEQMERLEALDANSRKQEA EWKEKAIKELEEWYARQ
DEQLQKTKANNRAAEEAFVNDIDESSPGTEWERVERLCDFNPKSSKQAKDVSRMRSVLISLQAPLVH

2915/6881
FIGURE 2691

GCCACCGCTGTGGTGTCCGGTGGGTCGGTTGGTTTTTGTCTCACCGTTGGTGTCCGTGCCGTTTCAGTTGCCCCGCCA
TGGCTGAGCTGGATCCGTTCCGGCGCCCCTGCCGGCGCCCCTGCGCGTCCCGCGCTGGGGAACGGAGTGGCCGGCG
CCGGCGAAGAAGACCCGGCTGCGGCCTTCTTGGCGCAGCAAGAGAGCGAGATTGCGGGCATCGAGAACGACGAGG
CCTTCGCCATCCTGGACGGCGGGCGCCCCGGGGCCCCAGCCGCACGGCGAGCCGCCGGGGGGGTCCGGATGCTGTTG
ATGGAGTAATGAATGGTGAATACTACCAGGAAAGTAATGGTCCAACAGACAGTTATGCAGCTATTTACAAAGTGG
ATCGATTGCAGTCAGAGCCTGAAAGTATCCGTAAATGGAGAGAAGAACAAATGGAACGCTTGGAAGCCCTTGATG
CCAATTCTCGGAAGCAAGAAGCAGAGTGGAAAGAAAAGGCAATAAAGGAGCTAGAAGAATGGTATGCAAGACAGG
ACGAGCAGCTACAGAAAACAAAAGCAAACAACAGGGTGGCAGATGAAGCTTTCTACAAACAACCCCTTCGCTGACG
TGATTGGTTATGTCACAAACATAAACCATCCTTGCTACAGCCTAGAACAGGCAGCAGAAGAAGCCTTTGTAAATG
ACATTGACGAGTCGTCCCCAGGCACTGAGTGGGAACGGGTGGCCCGGCTGTGTGACTTTAACCCCAAGTCTAGCA
AGCAGGCCAAAGATGTCTCCCGCATGCGCTCAGTCCTCATCTCCCTCAAGCAGGCCCCGCTGGTGCACTGAAGAG
CCACCCTGTGGAAACACTACATCTGCAATATCTTAATCCTACTCAGTGAAGCTCTTCACAGTCATTGGATTAATT
ATGTTGAGTTCTTTTGGACCAAACCTTTTTGTCTTTAGAGTTGTTTCATTGTTTGTGATTGCATGTTTCCTTCCTT
CAACTGTGTTCTCCCTGGCATTTCAGAGAGGAGGGAGAGGAGGAAGAGGAAGGGGAGGGGAAGCTTCCCAAGAGTAG
CCTCAACCTGTGCTTCTGTGCATTATTCTGAGAATAAATTTCTGTTTCAAACCTGT

2916/6881
FIGURE 2692

MAELDPFGAPAGAPGGPALGNGVAGAGEEDPAAFLAQQSEIAGIENDEAFAILDGGAPGPQPHGEPPGGPDAV
DGVMNGEYYQESNGPTDSYAAISQVDRLQSEPE S IRKWREEQMERLEALDANSRKQEA EWKEKAIKELEEWYARQ
DEQLQKTKANNRVADEAFYKQPFADVIGYVTNINHPCYSLEQA AEEAFVNDIDESSPGTEWERVERLCDFNPKSS
KQAKDVSRMRSVLISLKQAPLVH

2917/6881
FIGURE 2693

GCTTCTGTACTGCCAGGTCCGGGTCGGCGGCTGCACTGCGGATGAGACCGGTGCGACTCATGAAGGTGTTGTCATCA
CCCGCAGGATACCCGCCGAGGGTAGGGTCGCGCTCGCCCCGGGCGGCAGACTGTGAGGTGGAGCAGTGGGACTCGG
ATGAGCCCATCCCTGCCAAGGAGCTAGAGCGAGGTGTGGCGGGGGCCACGGCCTGCTCTGCCTCCTCTCCGACC
ACGTGGACAAGAGGATCCTGGATGCTGCAGGGGGCCAACTCTCAAAGTCATCAGCACCATGTCTGTGGGCATCGACC
ACTTGGCTTTGGATGAAATCAAGAAGCGTGGGATCCGAGTTGGCTACACCCCAGATGTCTGACAGATAACCACCG
CCGAACCTCGCAGTCTCCCTGCTACTTACCACCTGCCGCCGGTTGCCGGAGGCCATCGAGGAAGTGAAGAATGGTG
GCTGGACCTCGTGGAAGCCCCCTCTGGCTGTGTGGCTATGGACTCACGCAGAGCACTGTGCGGCATCATCGGGCTGG
GGCGCATAGGCCAGGCCATTGCTCGGCGTCTGAAACCATTTCGGTGTCCAGAGATTTCTGTACACAGGGCGCCAGC
CCAGGCCTGAGGAAGCAGCAGAATTCCAGGCAGAGTTTGTGTCTACCCCTGAGCTGGCTGCCCAATCTGATTTCAT
TCGTGCTGGCCTGCTCCTTAACACCTGCAACCGAGGGACTCTGCAACAAGGACTTCTTCCAGAAGATGAAGGAAA
CAGCTGTGTTTCATCAACATCAGCAGGGGCGACGTCGTAAACCAGGACGACCTGTACCAGGCCTTGGCCAGTGGTA
AGATTGCAGCTGCTGGACTGGATGTGACGAGCCCAGAACCCTGCCTACAAACCACCCTCTCCTGACCCTGAAGA
ACTGTGTGATTCTGCCCCACATTGGCAGTGCCACCCACAGAACCCGCAACACCATGTCCTTGTGGCAGCTAACA
ACTTGCTGGCTGGCCTGAGAGGGGAGCCGATGCCTAGTGAAGTCAAGCTGTAGCCAAACAGTAGAGATGGAGGGC
CGGGAAGCAAACCGTGCCCTGGTATTGTCAGACACACCCAGGCTTGATTGGATCCACAGGCAGAGCCAAGGGAA
GGTGTGATTCTCTGAGGAAAGAGTGATTCTGATATATGTACTTGTACATTGGTGTGGACACATTGCGCCAAA
AGTATGGTAATTCTATTATTAAATAATTCTCTGAG

2918/6881
FIGURE 2694

MRPVRLMKVFVTRRIPAEGRVALARAADCEVEQWDSDEPIPAKELERGVAGAHGLLCLLSDHVDKRILDAAGANL
KVISTMSVGIDHLALDEIKKRGIRVGYPDVLDTTAEHAVSLLLTTCRRLPEAIEEVKNGGWTWKPLWLCGYG
LTQSTVGIIGLGRIGQAIARRLKPFQVQRFYTGROPRPEEAAEFQAEFVSTPELAAQSDFIVVACSLTPATEGL
CNKDDFFQMKKETAVFINISRGDVVNQDDLYQALASGKIAAAGLDVTSPEPLPTNHPLTLKNCVILPHIGSATHR
TRNTMSLLAANNLLAGLRGEPMPSELKL

2919/6881
FIGURE 2695

AGTGTGAAATCTTCAGAGAAGAATTTCTCTTTAGTTCTTTGCAAGAAGGTAGAGATAAAGACACTTTTTCAAAA
TGGCAATGGTATCAGAAATTCCTCAAGCAGGCCTGGTTTATTGAAAATGAAGAGCAGGAATATGTTCAAACGTGTGA
AGTCATCCAAAGGTGGTCCCGGATCAGCGGTGAGCCCCTATCCTACCTTCAATCCATCCTCGGATGTCGCTGCCT
TGCATAAGGCCATAATGGTTAAAGGTGTGGATGAAGCAACCATCATTGACATTCTAACTAAGCGAAACAATGCAC
AGCGTCAACAGATCAAAGCAGCATATCTCCAGGAAACAGGAAAGCCCCTGGATGAAACACTTAAGAAAGCCCTTA
CAGGTCACCTTGAGGAGGTTGTTTTAGCTCTGCTAAAACTCCAGCGCAATTTGATGCTGATGAACTTCGTGCTG
CCATGAAGGGCCTTGGAACGTATGAAGATACTCTAATTGAGATTTTGGCATCAAGAATAACAAAGAAATCAGAG
ACATTAAAGGGTCTACAGAGAGGAACCTGAAGAGAGATCTGGCCAAAGACATAACCTCAGACACATCTGGAGATT
TTCGGAACGCTTTGCTTTCTCTTGCTAAGGGTGACCGATCTGAGGACTTTGGTGTGAATGAAGACTTGGCTGATT
CAGATGCCAGGGCCTTGATGAAGCAGGAGAAAGGAGAAAGGGGACAGACGTAAACGTGTTCAATACCATCCTTA
CCACCAGAAGCTATCCACAACCTTCGCAGAGTGTTTCAGAAATACACCAAGTACAGTAAGCATGACATGAACAAAG
TTCTGGACCTGGAGTTGAAAGGTGACATTGAGAAATGCCTCACAGCTATCGTGAAGTGCGCCACAAGCAAACCAG
CTTTCTTTGCAGAGAAGCTTCATCAAGCCATGAAAGGTGTTGGAACTCGCCATAAGGCATTGATCAGGATTATGG
TTTCCCGTTCTGAAATTGACATGAATGATATCAAAGCATTCTATCAGAAGATGTATGGTATCTCCCTTTGCCAAG
CCATCCTGGATGAAACCAAAGGAGATTATGAGAAAATCCTGGTGGCTCTTTGTGGAGGAAACTAAACATTCCCTT
GATGGTCTCAAGCTATGATCAGAAGACTTTAATTATATATTTTCATCCTATAAGCTTAAATAGGAAAGTTTCTTC
AACAGGATTACAGTGTAGCTACCTACATGCTGAAAAATATAGCCTTTAAATCATTTTTATATTATAACTCTGTAT
AATAGAGATAAGTCCATTTTTTAAAAATGTTTTCCCAAACCATAAAACCCTATACAAGTTGTTCTAGTAACAAT
ACATGAGAAAGATGTCTATGTAGCTGAAAATAAAATGACGTCACAAGAC

2920/6881
FIGURE 2696

MAMVSEFLKQAWFIENEEQEYVQTVKSSKGGPGSAVSPYPTFNPSSDVAALHKAIMVKGVDEATIIDILTKRNN
QRQQIKAAYLQETGKPLDETLKKALTGHLEEVVLALLKTPAQFDADELRAAMKGLGTDEDTLIEILASRTNKEIR
DINRVYREELKRD LAKDITS DTSGDFRNALLSLAKGDRSEDFGVNEDLADSDARALYEAGERRKGT DVNVFNTIL
TTRSYPQLRRVFQKYTKYSKHD MNKVLDLELKGDI EKCLTAIVKCATSKPAFFAEKLHQAMKGVGTRHKALIRIM
VSRSEIDMNDIKAFYQKMYGISLCQAILDETKGDYEKILVALCGGN

2921/6881
FIGURE 2697

TTCCGCGCTACCTACAGAGGGGGCCCATACGGCGTTGTTCTGGATTCCCGTCGTAACCTAAAGGGAACTTTAC
AATGTCCGGAGCCCTTGATGTCCTGCAAATGAAGGAGGAGGATGTCCTTAAGTTCCTTGCAGCAGGAACCCACTT
AGGTGGCACCAATCTTGACTTCCAGATGGAACAGTACATCTGTAAAAGGAAAAGTAATGGCATCTATATCATAAA
TCTGAAGAGGACCTGGGAGAAGCTTCTGCTGGCAGCTAGTGCTATTGTTGCCATTGAAAACCCCTGCTGATGTCAG
TGTTATATCCTCCAGGAATACTGGCCAGAGGGCTGTGCTGAAGTTTGCTGCTGCCACTGGAGCCACTCCAATTGC
TGGCCACTTCACTCCTGGAACCTTCACTAACCAGATCCAGGCAGCCTTCCGGGAGCCATGGCTTCTTGTTGGTTAC
TGACCCAGGGCTGACCACCAGCCTCTCACGGAGGCATCTTATGTTAACCTACCTACCATTGCTCTGTGTAACAC
AGATTCTCCTATGCGCTATGTGGACATTGCCATCCCATGCAACAACAAGGGAGCTCACTCAGTGGGTTTGATGTG
GTAGATGCTGGCTCGGGAAGTTCTGCGCATGTGTAGCACGATTTCTATGACCACCCGTGGGAGGTCATGCCTGA
TCTCTACTTCTACAGAGATCCTGAAGATATTGAAAAAGAAGAGCAGGCTGCTGCTGAAAAGGCAGTGACCAAGGA
GGAATTTCAGGGTGAATGGACTGCTCCAGCTCCTGAGTTCACTGCTACTCAGCCTGAGGTTGCAGACTGGTCTGA
AGGTGTACAGGTGCCCTCTGTGCCTATTGAGCAGTCCCTACTGAAGACTGGAGCGCTCAGCCTGCCACGGAAGA
CTGGTCTGCAGCTCCCACTGCTCAGGCCACTGAATGGGTAGGAGCAACCACTGACTGGTCTTAAGCTGTTCTTGC
ATAGGCTCTTAAGCAACATGGAAAAATGGTTGATGGAAAATAAACATCAGTTTCT.

2922/6881
FIGURE 2698

MSGALDVLQMKEEDVLKFLAAGTHLGGTNLDFQMEQYICKRKSNNGIYIINLKRTWEKLLLAASAIVAIENPADVS
VISSRNTGQRAVLKFAAATGATPIAGHFTPGTFTNQIQAAFREPWLLVVTDPRADHQPLTEASYVNLPTIALCNT
DSEPMRYVDIAIPCNNKGAHSVGLMWRMLAREVLRMCSTISYDHPWEVMPDLYFYRDPEDIEKEEQAAAEKAVTKE
EFQGEWTAPAPEFTATQPEVADWSEGVQVPSVPIQQFPTEDWSAQPATEDWSAAPTQAATEWVGATTDWS

2923/6881
FIGURE 2699

CAGAGGGGCCCATACGGCGTTGTTCTGGATTCCCGTCGTAACTTAAAGGGAACTTTCACAATGTCCGGAGCCCT
TGATGTCCTGCAAATGAAGGAGGAGGATGTCCTTAAGTTCCTTGACAGCAGGAACCCACTTAGGTGGACCAATCT
TGACTTCCAGATGGAACAGTACATCTGTAAAAGGAAAAGTAATGGCATCTATATCATAAATCTGAAGAGGACCTG
GGAGAAGCTTCTGCTGGCTTCACTCCTGGAACCTTCACTAACCCAGATCCAGGCAGCCTTCCGGGAGCCATGGCTT
CTTGTTGGTTACTGACCCAGGGCTGACCACCAGCCTCTCACGGAGGCATCTTATGTTAACCTACCTACCATTGCT
CTGTGTAACACAGATTCTCCTATGCGCTATGTGGACATTGCCATCCCATGCAACAACAAGGGAGCTCACTCAGTG
GGTTTGATGTGGTAGATGCTGGCTCGGGAAGTTCTGCGCATGTGTAGCACGATTTCTATGACCACCCGTGGGAG
GTCATGCCTGATCTCTACTTCTACAGAGATCCTGAAGATATTGAAAAAGAAGAGCAGGCTGCTGCTGAAAAGGCA
GTGACCAAGGAGGAATTTCAAGGTGAATGGACTGCTCCAGCTCCTGAGTTCACTGCTACTCAGCCTGAGGTTGCA
GACTGGTCTGAAGGTGTACAGGTGCCCTCTGTGC

2924/6881
FIGURE 2700

GGGAAACTTTCACAATGTCCGGAGCCCTTGATGTCCTGCAAATGAAGGAGGAGGATGTCCTTAAGTTCCTTGCA
CAGGAACCCACTTAGGTGGCACC AATCTTGA CTTCAGATGGAACAGTACATCTGTAAAAGGAAAAGTAATGGCA
TCTATATCATAAATCTGAAGAGGACCTGGGAGAAGCTTCTGCTGGCAGCTAGTGCTATTGTTGCCATTGAAAACC
CTGCTGATGTCAGTGTATATCCTCCAGGAATACTGGCCAGAGGGCTGTGCTGAAGTTTGCTGCTGCCACTGGAG
CCACTCCAATTGCTGGCCACTTCACTCCTGGAACCTTCACTAACCAGACACGGAGGCATCTTATGTTAACCTACC
TACCATTGCTCTGTGTAACACAGATTCTCCTATGCGCTATGTGGACATTGCCATCCCATGCAACAACAAGGGAGC
TCACTCAGTGGGTTTGATGTGGTAGATGCTGGCTCGGGAAGTTCTGCGCATGTGTAGCACGATTTCTATGACCA
CCCGTGGGAGGTCATGCCTGATCTCTACTTCTACAGAGATCCTGAAGATATTGAAAAAGAAGAGCAGGCTGCTGC
TGA

2925/6881
FIGURE 2701

GGCACGAGGGCCAGGAACGCCAGCCGTTACGCGTTCCGGTCCTCCTTGGCTGACTCACCGCCCTCGCCGCCGCAC
CATGGACGCCCCCAGGCAGGTGGTCAACTTTGGGCCTGGTCCCAGCAAGCTGCCGCACTCAGTGTTGTTAGAGAT
ACAAAAGGAATTATTAGACTACAAAGGAGTTGGCATTAGTGTTCTTGAAATGAGTCACAGGTCATCAGATTTTGC
CAAGATTATTAACAATACAGAGAATCTTGTGCGGGAATTGCTAGCTGTTCCAGACAACCTATAAGGTGATTTTTCT
GCAAGGAGGTGGGTGCGGCCAGTTTCAGTGCTGTCCCTTAAACCTCATTGGCTTGAAAGCAGGAAGGTGTGCGGA
CTATGTGGTGACAGGAGCTTGGTCAGCTAAGGCCGAGAAGAAGCAAGAAGTTTGGGACTATAAATATCGTTCA
CCCTAAACTTGGGAGTTATACAAAATTCCAGATCCAAGCACCTGGAACCTCAACCCAGATGCCTCCTACGTGTA
TTATTGCGCAAATGAGACGGTGCATGGTGTGGAGTTTGACTTTATACCCGATGTCAAGGGAGCAGTACTGGTTTG
TGACATGTCCTCAAACCTCCTGTCCAAGCCAGTGATGTTTCCAAGTTTGGTGTGATTTTTGCTGGTGCCAGAA
GAATGTTGGCTCTGCTGGGGTCACCGTGGTGATTGTCCGTGATGACCTGCTGGGGTTTGCCTCCGAGAGTGCC
CTCGGTCCTGGAATACAAGGTGCAGGCTGGAACAGCTCCTTGTACAACACGCCTCCATGTTTCAGCATCTACGT
CATGGGCTTGGTTCTGGAGTGGATTAATAACAATGGAGGTGCCGCGGCCATGGAGAAGCTTAGCTCCATCAAATC
TCAAACAATTTATGAGATTATTGATAATTCTCAAGGATTCTACGTGTCTGTGGGAGGCATCCGGGCCTCTCTGTA
TAATGCTGTACAATTGAAGACGTTCAGAAGCTGGCCGCCTTCATGAAAAAATTTTTGGAGATGCATCAGCTATG
AACACATCCTAACCAGGATATACTCTGTTCTTGAACAACATACAAAGTTTAAAGTAACTTGGGGATGGCTACAAA
AAGTTAACACAGTATTTTTCTCAAATGAACATGTTTATTGCAGATTCTTCTTTTTTTGAAAGAACAACAGCAAAAC
ATCCACAACCTCTGTAAAGCTGGTGGGACCTAATGTCACCTTAATTCTGACTTGAAGTGAAGCATTTTAAGAAAT
CTTGTTGCTTTTCTAACAATTTCCGCGTATTTTGCCTTTGCTGCTACTTTTTCTAGTTAGATTTCAAACCTGCC
TGTGGACTTAATAATGCAAGTTGCGATTAATTATTTCTGGAGTCATGGGAACACACAGCACAGAGGGTAGGGGGG
CCCTCTAGGTGCTGAATCTACACATCTGTGGGGTCTCCTGGGTTCAGCGGCTGTTGATTCAAGGTCAACATTGAC
CATTGGAGGAGTGGTTTAAAGAGTGCCAGGCGAAGGGCAAACCTGTAGATCGATCTTTATGCTGTTATTACAGGAGA
AGTGACATACTTTATATATGTTTATATTAGCAAGGTCTGTTTTTAATACCATATACTTTATATTTCTATACATTT
ATATTTCTAATAATACAGTTATCACTGATATATGTAGACACTTTTAGAATTTATTAAATCCTTGACCTTGTGCAT
TATAGCATTCCATTAGCAAGAGTTGTACCCCTCCCGAGTCTTCGCCTTCCTCTTTTTAAAGCTGTTTTATGAAAA
AGACCTAGAAGTTCCTTGATTCATTTTTACCATTCTTTCCATAGGTAGAAGAGAAAGTTGATTGGTTGGTTGTTTT
TCAATTATGCCATTAAACTAAACATTTCTGTTAAATTACCCTATCCTTTGTTCTCTACTGTTTTCTTTGTAATGT
ATGACTACGAGAGTGATACTTTGCTGAAAAGTCTTTCCCTATTGTTTATCTATTGTCAGTATTTTATGTTGAAT
ATGTAAAGAACATTAAAGTCCTAAAACATCTAAAAA

2926/6881
FIGURE 2702

MDAPRQVVNFGPGPAKLPHSVLLEIQKELLDYKGVGISVLEMSHRSSDFAKIINNNTENLVRELLAVPDNYKVIFL
QGGGCGQFSAVPLNLI GLKAGRCADYVVTGAWSAKAAEEAKKFGTINIVHPKLGSYTKIPDPSTWNLNPDASYVY
YCANETVHGVEFDFIPDVKGAVLVCDMSSNFLSKPVDVSKFGVIFAGAQKNVGSAGVTVVIVRDDLLGFALRECP
SVLEYKVQAGNSSLYNTPPCFSIYVMGLVLEWIKNNGGAAAMEKLSSIKSQTIYEIIDNSQGFYVSVGGIRASLY
NAVTIEDVQKLAAFMKKFLEMHQL

2927/6881
FIGURE 2703

GGCACGAGGGCCAGGAACGCCAGCCGTTACGCGTTCCGGTCCTCCTTGGCTGACTCACCGCCCTCGCCGCCGCAC
CATGGACGCCCCCAGGCAGGTGGTCAACTTTGGGCCTGGTCCCGCCAAGCTGCCGCACTCAGTGTGTTAGAGAT
ACAAAAGGAATTATTAGACTACAAAGGAGTTGGCATTAGTGTCTTGAAATGAGTCACAGGTCATCAGATTTTGC
CAAGATTATTAACAATACAGAGAATCTTGTGCGGGAATTGCTAGCTGTTCCAGACAACATAAAGGTGATTTTTCT
GCAAGGAGGTGGGTGCGGCCAGTTCAGTGTCTGTCCCTTAAACCTCATTGGCTTGAAAGCAGGAAGGTGTGCGGA
CTATGTGGTGACAGGAGCTTGGTCAGCTAAGGCCGAGAAGAAGCCAAGAAGTTTGGGACTATAAATATCGTTCA
CCCTAAACTTGGGAGTTATACAAAAATTCCAGATCCAAGCACCTGGAACCTCAACCCAGATGCCTCCTACGTGTA
TTATTGCGCAAATGAGACGGTGCATGGTGTGGAGTTTGACTTTATACCCGATGTCAAGGGAGCAGTACTGGTTTG
TGACATGTCTCAAACCTTCCTGTCCAAGCCAGTGGATGTTTCCAAGTTTGGTGTGATTTTTGCTGGTGCCAGAA
GAATGTTGGCTCTGCTGGGGTCACCGTGGTGATTGTCCGTGATGACCTGCTGGGGTTTGCCCTCCGAGAGTGCCC
CTCGGTCTGGAATACAAGGTGCAGGCTGGAACAGCTCCTTGTACAACACGCCTCCATGTTTCAGCATCTACGT
CATGGGCTTGGTTCTGGAGTGGATTAAAAACAATGGAGGTGCCGCGGCCATGGAGAAGCTTAGCTCCATCAAATC
TCAAACAATTTATGAGATTATTGATAATTCTCAAGGATTCTACGTTTGTCCAGTGGAGCCCCAAAATAGAAGCAA
GATGAATATTCCATTCCGCATTGGCAATGCCAAAGGAGATGATGCTTTAGAAAAAAGATTTCTTGATAAAGCTCT
TGAACCTCAATATGTTGTCTTGAAAGGGCATAGGTCTGTGGGAGGCATCCGGGCCTCTCTGTATAATGCTGTCAC
AATTGAAGACGTTCAGAAGCTGGCCGCCTTCATGAAAAAATTTTGGAGATGCATCAGCTATTGAACACATCCTAA
CCAGGATATACTCTGTTCTTGAAACAACATACAAAGTTTAAAGTAACTTGGGGATGGCTACAAAAAGTTAACACAG
TATTTTTCTCAAATGAACATGTTTATTGCAGATTCTTCTTTTTTGAAAGAACAACAGCAAAACATCCACAACCTCT
GTAAAGCTGGTGGGACCTAATGTCACCTTAATTCTGACTTGAACCTGGAAGCATTTTAAGAAATCTTGTGCTTTT
CTAACAAATTCCCGCGTATTTTGCCTTTGCTGCTACTTTTTCTAGTTAGATTTCAAACCTTGCTGTGGACTTAAT
AATGCAAGTTGCGATTAATTATTTCTGGAGTCATGGGAACACACAGCACAGAGGGTAGGGGGGCCCTCTAGGTGC
TGAATCTACACATCTGTGGGGTCTCCTGGGTTACGCGGCTGTTGATTCAAGGTCAACATTGACCATTGGAGGAGT
GGTTTAAGAGTGCCAGGCGAAGGGCAAACGTAGATCGATCTTTATGCTGTTATTACAGGAGAAGTGACATACTT
TATATATGTTTATATTAGCAAGGTCTGTTTTTAATACCATATACTTTATATTTCTATACATTTATATTTCTAATA
ATACAGTTATCACTGATATATGTAGACACTTTTAGAATTTATTAAATCCTTGACCTTGTGCATTATAGCATTTCCA
TTAGCAAGAGTTGTACCCCTCCCGAGTCTTCGCCCTCCTCTTTTTAAGCTGTTTTATGAAAAAGACCTAGAAGT
TCTTGATTCATTTTTACCATTCTTTCCATAGGTAGAAGAGAAAGTTGATTGGTTGGTTGTTTTTCAATTATGCCA
TTAAACTAAACATTTCTGTAAATTACCTATCCTTTGTTCTCTACTGTTTTCTTTGTAATGTATGACTACGAGA
GTGATACTTTGCTGAAAAGTCTTTCCCTATTGTTTATCTATTGTCAGTATTTTATGTTGAATATGTAAAGAACA
TTAAAGTCCTAAACATCTAAAAA

2928/6881
FIGURE 2704

MDAPRQVVNFGPGPAKLPHSVLLEIQKELLDYKGVGISVLEMSHRSSDFAKIINNNTENLVRELLAVPDNYKVIFL
QGGGCGQFSAPVPLNLIGLKAGRCADYVVTGAWSAKAAEEAKKFGTINIVHPKLGSYTKIPDPSTWNLNPDASYVY
YCANETVHGVEFDFIPDVKGAVLVCDMSSNFLSKPVDVSKFGVIFAGAQKNVGSAGVTVVIVRDDLLGFALRECP
SVLEYKVQAGNSSLYNTPPCFSIYVMGLVLEWIKNNGGAAAMEKLSSIKSQTIIYEIIDNSQGFYVCPVEPQNRSK
MNIPFRIGNAKGDDALEKRFLDKALELNMLSLKGHRVGGIRASLYNAVTTIEDVQKLAAFMKKFLEMHQL

2929/6881
FIGURE 2705

ATGGTGGAAAAGGAGCAAAGACATAGTCGGAATGAATGGGAAGGTTGGTATAATGGACCCAAATCTCTTGTTC
AAACAAGTTAAGGAAAATTGTTTTAAAAATCCTAAACACTCAGTCTGTGAATATGATCCTGGGTCCTCTCAGAAC
TGCCAACATTCTAACACCAGCTGGCACCAGAGACCCTGCTCTGAGGTCAGGGATGATGTGAGCAAGTGGTCTAAT
AATTCCTCAGAACTCTTTTTCTCATTCTTCTTCCCTCTCTTCCCTCTTCTGCCTTACCAAGAACAGAGAAATGGTC
TTTCTTAAAGAAGAAGAAAAGAGGACTCCAACCGTAAGAATTGAGTACAAGGAGTTGCTCAGTGATGTGAAGCTG
AAGAGGGCATCTGAGGAGATGAGCTGTAAAACATATTACAAGAGGGACGTGTGAAGGGAGTGACCATTCCGAAG
AACCCAGACAGCTGCCCCACAGGAGAAGGATGCCATCCCAAAGATGAATCAGAGTTTCCATGAGCAAAAGAGCCTT
GTGAGTCGTCGGCAAAGCCTGAGTCCTGTCCTTTTCGCTCTCCTCCCCGACAGTATGAGCTTCACCACTCGCTCC
ACCTTCTCCACCAACTACCGGTCCCTGGGCTCTGTCCAGGCGCCCAGCTACGGCGCCCGGCCCTATAGACAATGCC
CATCTTGCTGCTGATGACTGTAGAGTCAAGTATGAGACAGAACTGGCCATGCACCACTCTGTGGAGAAAGACATC
CATGGGCTCCACAAGGTCATCGATGACACCAATGTCACTTGGCTGCAGGTGGAGACACAGATCGAGGCTCTCAAG
GAGGAGCTCTTTCATGAAGAAGAACCACGAATAGGAAATAAAAGGCCCAAGCTCAGATTGCCAGCTCTGGGTT
GACAGTGGAGTGGTCCCCATGCAGCCCGCCAAGGTCGGAGCTGCTGAGATGATGCTCACTGAGCCGAGATGCACA
GTCCAGTCTTCGGAGGTCGACCTGGAATCGATGAGAAATCTGAAGGCTAGCTTGGGGAACAGCCTGAGGGAGGTG
GAGGCCTGCTACACCGTGAAGATGGAGCAGCTCGACGGAATCGTGCCCACTTGGAGTCAGAGCTGGCACAGACC
TGGGCAGAGGAACAGTGCCAGGCCCAGCAGTACGAGGCCCTGATGAACATCAAGGTCAAGTTGGAGGCTGAGATC
ACCACCTACTGCTGCCTGCTGAAAGATGGCGAGGACGTCAATCTTGGTGATACCCTGGACAGCAGCAACTCCATG
CAAACCATCCAAAAGACCACCACCTGCCAGACAGTGGATGGCAAAGTGGTGTCTGAGACCAAAGATACCAAAGTT
CTGAGGCATTACACCAGCAGAAATTACAACCTGCATGGCCAGGAAAGGCGCAATGGCAAAGAAACAGGAAGTGAT
TCTTACAGTGGGGAACCCCTGGAAGCTGAGGATGCCAAAGCCGTAAGACTTAACATCTCCAAGTCATCATTGAG
GTGTTAATGCTGGAAGCTACAGAGAAGATGACAGGTTCTCATTAATGTGA

2930/6881
FIGURE 2706

MVEKEQRHSRNEWEGWYNGPKSLVSKQVKENCFKNPKHSVCEYDPGSSQNCQHSNTSWHQPCSEVRDDVSKWSN
NSSEFFSFFFPLFLFCLTKNREMVFLKEEEKRTPTVRIEYKELLSDVKLKRASEEMSCKTYSQEGRVKGV TIPK
NPDSCPQEKDAIPKMNQSFHEQKSLVSRRQSLSPVLSLSSPDMSFTTRSTFSTNYRSLGSVQAPSYGARPIDNA
HLAADDCRVKYETELAMHQSVEKDIHGLHKVIDDTNVTWLQVETQIEALKEELFHEEEPRIGNKRPTSSDCQLWV
DSGVVPMQPAKVGAEMMLTEPRCTVQSSEVDLESMRNLKASLGNSLREVEACYTVKMEQLDGIVPHLESELAQT
WAEEQCQAQQYEALMNIKVKLEAEITTYCCLLKDGEDVNLGDTLDSSNSMQTIQKTTTCQTVDGKVVSETKDTKV
LRHYTSRNYNCMAQERRNGKETGSDSYSGEPLAEDAKAVRLNISKSSFVIMLEATEKMTGSSLM

2931/6881
FIGURE 2707

ACAGAGCCCCGGCCGCCAGAGCGATGTTCCCGCAGAGCCGGCACCCGACGCCGCACCAGGCTGCAGGCCAGC
CCTTCAAGTTCACTATCCCGGAGTCCCTGGACCGGATTAAAGAGGAATTCCAGTTCCTGCAGGCGCAGTATCACA
GCCTTAAATTGGAATGTGAGAACTGGCAAGTGAAGACAGAAATGCAGAGGCACTATGTGATGTATTATGAAA
TGTCATATGGATTAAACATTGAAATGCACAAACAGACTGAAATCGCCAAGAGATTGAATACGATTTGTGCACAAG
TCATCCCATTCTGTCTCAGGAACATCAACAACAGGTGGCCAGGCTGTTGAACGTGCCAAACAGGTGACCATGG
CAGAATTGAATGCCATCATCGGGCAGCAGCAGTTGCAAGCTCAGCATCTTCTCATGGCCACGGACCCCCAGTTC
CCCTTACGCCTCACCTTCGGGACTTCAGCCTCCTGGAATCCCGCCCCCTCGGGGGCAGTGCCGGCCTTCTTGCGC
TGTCTAGTGCTCTGAGTGGGCAGTCTCACTTGGCAATAAAAGATGACAAGAAGCACCACGATGCAGAGCACCACA
GAGGTGAGAGGCCGGGCAAGAGTAATTCCCTCCTGGTCCAGACAGTCTAAGAGGCACAGATAAACGCAGAAATG
GACCTGAATTTTCCAATGACATCAAGAAAAGGAAGGTGGATGATAAGGACTCCAGCCACTATGACAGTGATGGTG
ACAAAAGCGATGACAACCTTAGTTGTGGATGTGTCTAATGAGGACCCTTCTTCTCCGCGAGCAAGCCCTGCCCCACT
CGCCCCGGGAAAATGGAATCGACAAAATCGCCTGCTAAAGAAGGATGCTTCTAGCAGTCCAGCTTCCACGGCCT
CCTCGGCAAGTTCCACTTCTTTGAAATCCAAAGAAATGAGCTTGATGAAAAGCCAGCACGCCTGTTCTGAAAT
CCAGCACACCAACGCCTCGGAGCGACATGCCAACGCCGGGCACCAGCGCCACTCCAGGCCTCCGTCCAGGTCTCG
GCAAGCCTCCAGCCATAGACCCCCCTCGTTAACCAAGCGGCAGCTGGCTTGAGGACACCCCTGGCAGTGCCCGGCC
CATATCCTGCTCCTTTTGGGATGGTCCCCACGCTGGCATGAACGGCGAGCTGACCAGCCCAGGCGCTGCCTACG
CCAGTTTACACAACATGTGCCCCAGATGAGCGCCGAGCCGCCGCGGCCGCGCTGGTGGCCTACGGGCGCTCCC
CCATGGTGGGGTTTGATCCTCCCCCTCACATGAGAGTACCTACCATTCTTCCAAACCTGGCAGGAATCCCTGGGG
GGAAACCTGCATACTCCTTCCACGTTACTGCAGACGGTCAGATGCAGCCTGTCCCTTTTCCCCCGACGCCCTCA
TCGGACCCGGAATCCCCCGGCATGCTCGCCAGATCAACACCCTCAACCACGGGGAGGTGGTGTGCGCTGTGACCA
TCAGCAACCCACAGAGACACGTGTACACAGGCGGGGAAGGGCTGCGTCAAGGTCTGGGACATCAGCCACCCTGGCA
ATAAGAGCCCTGTCTCCAGCTCGACTGTCTGAACAGAGACAATTATATCCGTTCTGTAAATTGCTACCCGATG
GCTGCACTCTCATAGTGGGAGGGGAAGCCAGTACTTTGTCCATTTGGGACCTGGCGGCTCCAACCCGCGCATCA
AGGCGGAGCTGACGTCTCGGCCCCCGCTGTACGCCCTGGCCATCAGCCCCGATTCCAAGGTCTGCTTCTCAT
GCTGCAGCGACGGCAACATCGCTGTGTGGGATCTGCACAACCAGACACTAGTGAGGCAATTCCAGGGCCACACAG
ACGGAGCCAGCTGTATTGACATTTCTAATGATGGCACCAGCTCTGGACGGGTGGTTTGGACAACACAGTCAGGT
CCTGGGACCTGCGCGAGGGGCGGCAGCTGCAGCAGCACGACTTACCTCCAGATCTTCTCCCTGGGGTACTGCC
CCACCGGGGAGTGGCTGGCAGTGGGCATGGAGAGCAGCAATGTGGAGGTGCTGCACGTGAACAAGCCTGACAAGT
ACCAGCTGCACCTGCATGAGAGCTGCGTGCTGTCCCTGAAATTTGCTTACTGTGGTAAATGGTTTGTGAGTACTG
GAAAAGATAACCTCCTCAATGCTTGGCGGACCCCTATGGAGCCAGCATATTCCAGTCCAAAAGAGTCCCTCGTCAG
TGCTTAGCTGTGACATCTCTGTGGATGATAAGTACATAGTCACTGGCTCGGGGGACAAGAAGGCTACAGTCTATG
AAGTCATCTACTGAAAACATTATGTGGT

2932/6881
FIGURE 2708

CGGCAGTCTCGCGCGGCTACTGCAGCACTGGGGTGTCA GTTGTGGTCCGACCCAGAACGCTTCAGTTCTGCTCT
GCAAGGATATATAATAACTGATTGGTGTGCCCGTTTAATAAAAAGAATATGGAAGCTGAACAGCCAGAAGAAACCT
TCCCTAACACTGAAACCAATGGTGAATTTGGTAAACGCCCTGCAGAAGATATGGAAGAGGAACAAGCATTTAAAA
GATCTAGAAACACTGATGAGATGGTTGAATTACGCATTCTGCTTCAGAGCAAGAATGCTGGGGCAGTGATTGGAA
AAGGAGGCAAGAATATTAAGGCTCTCCGTACAGACTACAATGCCAGTGTTTCAGTCCCAGACAGCAGTGCGCCCCG
AGCGCATATTGAGTATCAGTGCTGATATTGAAACAATTGGAGAAATTCTGAAGAAAATCATCCCTACCTTGGAAG
AGGGCCTGCAGTTGCCATCACCCACTGCAACCAGCCAGCTCCCGCTCGAATCTGATGCTGTGGAATGCTTAAATT
ACCAACACTATAAAGGAAGTGACTTTGACTGCGAGTTGAGGCTGTTGATTTCATCAGAGTCTAGCAGGAGGAATTA
TTGGGGTCAAAGGTGCTAAAATCAAAGAACTTCGAGAGAACACTCAAACCACCATCAAGCTTTTCCAGGAATGCT
GTCCTCATTCCACTGACAGAGTTGTTCTTATTGGAGGAAAACCCGATAGGGTTGTAGAGTGCATAAAGATCATCC
TTGATCTTATATCTGAGTCTCCCATCAAAGGACGTGCACAGCCTTATGATCCCAATTTTACGATGAAACCTATG
ATTATGGTGGTTTTACAATGATGTTGATGACCGTCGCGGACGCCAGTGGGATTTCCCATGCGGGGAAGAGGTG
GTTTTGACAGAATGCCTCCTGGTCGGGGTGGGCGTCCCATGCCTCCATCTAGAAGAGATTATGATGATATGAGCC
CTCGTCGAGGACCACCTCCCCCTCCTCCCGACGAGGCGGCGGGGTGGTAGCAGAGCTCGGAATCTTCCTCTTC
CTCCACCACCACCACCTAGAGGGGGAGACCTCATGGCCTATGACAGAAGAGGGAGACCTGGAGACCGTTACGACG
GCATGGTTGGTTTCAGTGCTGATGAAACTTGGGACTCTGCAATAGATACATGGAGCCCATCAGAATGGCAGATGG
CTTATGAACCACAGGGTGGCTCCGGATATGATTATTCCTATGCAGGGGGTTCGTGGCTCATATGGTGATCTTGGTG
GACCTATTATTACTACACAAGTAACTATTCCCAAAGATTGGCTGGATCTATTATTGGCAAAGGTGGTCAGCGGA
TTAAACAAATCCGTCATGAGTCGGGAGCTTCGATCAAATTTGATGAGCCTTTAGAAGGATCCGAAGATCGGATCA
TTACCATTACAGGAACACAGGACCAGATACAGAATGCACAGTATTTGCTGCAGAACAGTGTGAAGCAGTATGCAG
ATGTTGAAGGATTCATAAGCAAGATATTTTTCTTTTTTATAGTGTGAAGCAGTATTCTGGAAAAGTTTTCTAAG
ACTAGTGAAGAACTGAAGGAGTCCTGCATCTTTTTTTTTTATCTGCTTCTGTTTAAAAAGCCAAACATTCCCTCTG
CTTCATAGGTGTTCTGCATTTGAGGTGTAGTGAATCTTTGCTGTTACCAGATGTAATGTTTTAGTTCCTTACA
AACAGGGTTGGGGGGGGGAAGGGCGTGCAAAAACTAACATTGAAATTTTGAAACAGCAGCAGAGTGAGTGGATTT
TATTTTTCGTTATTGTTGGTGGTTTAAAAAATCCCCCATGTAATTATTGTGAACACCTTGCTTTGTGGTCACT
GTAACATTTGGGGGTGGGACAGGGAGGAAAAGTAACAATAGTCCACATGTCCCTGGCATCTGTTTCAGAGCAGTG
TGCAGAATGTAATGCTCTTTTGTAAAGAACGTTTTATGATTTTTTAAATAAATTTAGTGAACCTATTTTTGGTGG
TCATTTTTTTTTTAAAGACAGTCATTTTAAATGGTGGCTGAATTTCCCAACCCACCCCCAACTAAACACTAAGT
TTAATTTTCAGCTCCTCTGTTGGACATATAAGTGCATCTCTTGTGGACATAGGCAAAATAACTTGGCAAACCTTA
GTTCTGGTGATTTCTTGATGGTTTGAAGTCTATTGCTGGGAAGAAATTCCATCATACATATTCATGCTTATAAT
AAGCTGGGGATTTTTTGTGTTGTTTTGCAAATGCTTGCCCTACTTTTCAACAATTTCTATGTTAGTTGTGAAG
AACTAAGGTGGGGAGCAGTACTACAAGTTGAGTAATGGTATGAGTATATACCAGAATTCTGATTGGCAGCAAGTT
TATTAATCAGAATAACACTTGGTTATGGAAGTGACTAATGCTGAAAAAATTGATTATTTTTATTAGATAATTTCT
CACCTATAGACTTAACTGTCAATTTGCTCTAGTGTCTTATTAGTTAACTTTGTAAATATATATATACTTGTT
TTTCCATTGTATGCAAATTGAAAGAAAAAGATGTACCATTTCTCTGTTGTATGTTGGATTATGTAGGAATGTTTG
TGTACAATTCAAAAAAAAAAAGATGAAAAAGTTCCTGTGGATGTTTTGTGTAGTATCTTGGCATTGTATTGA
TAGTTAAATTCACTTCCAAATAAATAAACACCCATGATGCTAG

2933/6881
FIGURE 2709

METEQPEETFPNTETNGEFGKRPAEDMEEEQAFKRSRNTDEMVELRILLQSKNAGAVIGKGGKNIKALRTDYNAS
VSVPDSSGPERILSISADIETIGEILKKIIPBLEGLQLPSPTATSQPLESDAVECLNYQHYKGSDFDCELRL
IHQSLAGGIIGVKGAKIKELRENTQTTIKLFQECCPHSTDRVVLIGGKPDVVCEIKIILDLISESPIKGRAQPY
DPNFYDETYDYGGFTMMFDDRGRPVGFFPMRGRGGFDRMPPGRGGRPMPPSRRDYDDMSPRRGPPPPPPGRGGRG
GSRARNLPLPPPPPPRGGDL MAYDRRGRPGDRYDGMVGFSADETWD SAIDTWSPSEWQ MAYEPQGGSGYDYSYAG
GRGSYGD LGGP I I T T Q V T I P K D L A G S I I G K G G Q R I K Q I R H E S G A S I K I D E P L E G S E D R I I T I T G T Q D Q I Q N A Q Y L
LQNSVKQYADVEGF

2934/6881
FIGURE 2710

AAAAAGGAACTGGGAGCGCGCCGCGGGCGGTTCTGTCTTACAGTTGCGCTGCCAGGGACCGATGTTGCGCGAG
GAAAATGCGGGACGCCCAGGTGGTGCTCGGCCCAGACTTATGCCCCGTGTTTTACAGCCCACACTCGTGCCCGA
AGCCCCCTTACCCCGCCCCGGGCTGTGGTCTGTGGGCTGTGGGACGAGCTGCGGCGCGGGCCATTTCTGAGCAGTG
GAGGTTTTCAAGTAATCCACTAACAACCAGTTCCAAATTTCTGTCTATCAAATCCTGTGCTGCTGTTCTCGTGGTAA
TAGATGCATATTATTTCTTTTATTTAAAAGAAATGAATGTGACTAGTATTGCATTAAGAGCTGAAACTTGGCTTT
TAGCTGCATGGCATGTTAAAGTACCTCCGATGTGGCTGGAAGCTTGTATTAACTGGATTCAAGAAGAAAATAATA
ATGTTAACTTGAGTCAGGCCCAAATGAATAAACAAGTGTGTTGAGCAGTGGCTCCTTACTGATCTGAGGGATTG
AGCATCCTCTTTTACCCGATGGCATTTTAGAAATTCCAAAAGGAGAATTAAATGGATTTTATGCTCTGCAGATTA
ATTCCTTGGTTGATGTAAGTCAGCCTGCATACTCCCAGATACAGAAGTTGAGAGGAAAGAATACAACAAATGATC
TAGTTACAGCTGAAGCACAAGTAACCCCAAAACCTTGGGAAGCAAAGCCTTCACGAATGTTGATGCTGCAGCTAA
CTGATGGAATCGTACAAATACAGGGAATGGAATATCAGCCTATTCCAATTCTTCATAGTGATCTTCTCCAGGT
CAAAAATTTTGATTTATGGAAATATATCTTTCCGTCTTGGTGTCTCTTATTGAAACCAGAAAACGTGAAAGTGT
TAGGAGGTGAAGTAGATGCTCTTTTAGAAGAATATGCCCAAGAAAAAGTACTTGCAAGATTAATAGGGGAACCTG
ATCTTGTAGTTTTCAGTCATACCAAACAATTCTAACGAAAACATTCCCAGAGTTACAGATGTTCTAGATCCTGCAT
TAGGTCCTTCTGATGAAGAACTCTTGGCAAGTCTTGATGAAAATGATGAGCTTACAGCAAATAATGACACTTCCT
CAGAACGATGTTTCACCACAGGTAGTTCTCAATACCATTCCCACAAGACAGTCAAGTTTTGAGCCAGAATTTG
TTATTTCTCCAAGACCAAAAGAGGAACCATCAAACCTATCTATACATGTAATGGATGGAGAATTAGATGACTTTT
CACTGGAGGAGGCCTTGCTTTTGAAGAACTGTCCAGAAAGAACAGATGGAAACTAAGGAATTGCAACCATTGA
CTTTTAACAGAAATGCCGATCGAAGTATAGAGAGATTTTACATAATCCTAATACTACGAATAACTTTTTCTTTGA
CTTGCAAAAATGGAAACAATAATTGGAGTGAAAAAATGTATCTGAACAAATGACTAATGAAGACAAATCATTG
GTTGTCCATCTGTTAGAGACCAAAACAGGAGTATTTTTTTCAGTTTATTGTAATGTACCCTTAGCCCATGATTTTA
CAAATAAAGAAAAAGAACTTAGAGACAGATAATAAAATAAAACAAACCAGCAGTTCAGATAGCCATTCTTAAATA
ATAAAATATTAAATAGAGAGGTGGTCAACTATGTACAGAAAAGGAATTCACAAATTTCTAATGAAATGATTGTA
ATTTACAGAGTTGTTCTTTAAGATCATCAGAGAATAGCATTAACTTTCTATTGCCATGGATTTGTATTCTCCAC
CCTTTGTCTATTTGTCTGTTCTAATGGCCAGCAAACCAAAGGAAGTTACAACAGTGAAAGTGAAAGCATTATTG
TAACCTTAACTGGAAATCTCTCAAGTTCTGGTGGTATTTGGAGTATAACTGCAAAGGTGTCTGATGGTACTGCAT
ATCTAGATGTAGACTTTGTGGATGAAATACTTACTAGCTTGATAGGGTTCTCAGTACCAGAAATGAAACAGTCAA
AAAAGGATCCTCTCAATACCAAAAGTTCTCGGAAGGGTTGCAGAAATGTCAAAGAGATCTAATAGATTTGTGCT
GTCTAATGACTATTTTCAATTAATCCTTCCTTGCTAAAGCAATGGTACTGGCATTACAAGATGTTAATATGGAAC
ACCTTGAGAATCTAAAGAAGCGGTTAAATAAATAATTAACTAAAATAGTATTAGGAACAATTAACAAACAAG
GAAATATTTAGAATTTGTTCACAATTTTACTTATGATACCTTTGTGTAAAAAGGAAAAATGAAATTTTCATAGCTTA
TTTCAGTTTAATTTTAAAGTGTTAATCATGTTTGTATATGTGGAGCTTTTGAAAAATAAGTTAATCTTTTTTTT
TTTTTTTTTAATGTCAGGGTATTGCTCTGTTGCCAGGCTAGAGTGCAGTGGCATGATCATAGGTTATTGCATCA
ACCTCTTGAGCTCAAGCGATCCTCCTGCCCTTAGCCTCTTGAGTTGCTGGGACTATAGGCATGTACCACCATGCC
AGCTAATTTATAATTACTATTATTGTTTTGTAGGGACAGAGTTTTGCTATGTTGCCAGATTGGTCTCAAACCTC
TGGCCTCTCACTCCTGCCGTATGGCCTCCAAAGTTTACTTTTTTTAAAGTAACTGTTAGATGGAGGAATATGG
TGACCCACTATTGTTGAGAAATTTGTTTTCCACTTGTACGTACATAAGATGATTGCTAAAATATTGTACTGGT
GTTGCGGTGGTGAGTCATTTTTTGAAGTTAATAATTATAAATAGGTAATTTCTTCTAATATGTTGGTACTGTC
TATGGCCATACCAACCTGAACATGCCGTGAGCTTGTACATAATATGTTGAGTACCCAAAAGATTGTTTTATATTGTT
AATCTTAGGGAAAAAAAATTAATCCAGTAGATCAGAACATCAGGCTTTTCAGATACAAATTGATTTACTGGTTT
TTATTTTGCTGATTATAATATTGTTATATTAAAGTAATCTAGTTAACTAGATGCTATTTTCATAGATTATATTG
AATGATTTAAACCTTTATTTTCAAGGATAGTTTATTTTAAATGGCATATTGAAAACATCATTATTAAGATCCAGT
AGGTAGGACATTTATTGGATTAAATGAAGCATTTATCTATGTCTTTAGGTGTCATTGTTCCCTTTCTGAATTAG
CTGTACATATAAGCCTTCCTTTGGTTTTAAGTACTGATTTTTTTTTTAAAAAAAAGAGGGACTGTTTACCATTCTT
CCACTGTGCTGTTATAAAGTTGTATTTGAAAGGTAATGTTGTTTTTATTAATCTTTTGTCTTAAATAATTTAA
GTGCTTTGAATTTTAAACATTAAACAAATCCTTAAATAAC

2935/6881
FIGURE 2711

TGCTCCGGAGGGCACGGGCTCCGTAGTCACCAACTGCAAGGCCCCCTCCCCCTGCGGGCGCTCCCCTGGCACAAT
TCGCGTTCGAGAGTGACCTGCACTCGCTGCTTCAACTGGATGCACCCATCCCCAATGCACCCCCCTGCTCGCTGGC
AGCGCAAAGCCAAGAAAAGCCACAGGCCCGGGCCCCCTCACCCATGCGGGCCGCCAACCGATCCCACAGCGCCAGCA
GGACTCCGGGCCGAACCTCCTGGCAAATCCAGTTCCAAGTTTCCAGACCCTCTAGCAAAACCTGGCGGTGACCGCT
ATATCCCCCATCGCAGTGCTGCCCAGATGGAGGTTGCCAGCTTCTCTCTGAGCAAGGAGAACCAGCCTGAAAACA
GCCAGACGCCCCACCAAGAAGGAACATCAGAAAGCCTGGACTTTGAACCTGAACGGTTTTGATGTAGAGGAAGCCA
AGATCCTTCGGCTCAGTGGAAGAACCAAAATGCGCCAGAGGGTTACCAGAACAGACTGAAAGTACTCTACAGCC
AAAAGGCCACTCCTGGCTCCAGCCGGAAGACCTACCATTACATTCTCTCCCTGCCAGACCATAACCTGGATGCCC
CTGAAATCCGAAATGACTACTACCTGAATCTTGTGGACTGGAGCTCTGGGAATGTATTGGCCGTGGCGCTGGACA
ACAGTGTGTACCTGTGGAGCGCAAGCTCTGGTGACATCCTGCAGCTTTTGCAAATGGAGCAGACTGGGAAATATG
TATCCTCTGCGGCCTGGATCAAAGAGGGCAACTACTTGGCTGTGGGCATCAGCAGTGCTGAGGTGCAGCTTTGGG
ATGTGCAGCAGCAGAAACGGCTTCGAAATATGACCATTCACTCTGCCCCGAGTGGGCTCCCTAAGCTGGAACAGCT
ATATCCTATCCAGTGGTTCACATTCTGGCCACATCCACCACCATGATGTTTCGGGTAGCAGAACACCACGTGGCCA
CACTGAGTGGCCACAGCCAGGAAGTGTGTGGGCTGCGCTGGGTCCCAGATGGACGACATTTGGCCAGTGGTGGCA
ATGATAACTTGGTCAAAGTGTGGCCTAGTGCTCTTGGAGAGGGTGGCTGGGTTCTCTGACAGACATTCACCCCTC
AAGGGGCTGTCAAGGCCGTAGCATGGTGTCCCTGGAAGTCCAATGTCCCGGCAACAGGAGGGGGCACCAGTGATC
GACACATTTGCATCTGGAACGTGTGCTCTGGGGCCTGTCTGAGTGCCGTGGATGCCCTTTCCCAGGTGTGCTCCA
CCCTCTGGTCTCCCCACTACAAGGAGCTCATCTCAGGCCATGGCTTTGCACAGAACCAGCTGGTTATTTGGAAGT
ACCCAACCATGGCCAAGGTGGCTGAACTCAAAGGTCACACATCCCGGGTCTGACTCTGACCATGAGCCCAGATG
GGGCCACAGTGGCATCTGCAGCAGCAGATGAGACCCCGAGGCTATGGCACTGTTTTGAGTTGGACCCTGTGTGGC
GGCGGGAGCGGGAGAAGGCCAGTGAGCCAAAAGCAGCTTCATCCACCAAGGCATCCGCTGAAGACCAACCCCTC
GCCTCAGTTGTTTTTTATTTTCTAATAAAGTCATGTCTCCCTTCA

2936/6881
FIGURE 2712

CTTTCCCAGCCCCAGCCCGGCCCTTGCAGCTGCAGAGATGTTGATGCCTAAGAAGAACCGGATTGCCATTTATGA
ACTCCTTTTTAAGGAGGGAGTCATGGTGGCCAAGAAGGATGTCCACATGCCTAAGCACCCGGAGCTGGCAGACAA
GAATGTGCCCCAACCTTCATGTCATGAAGGCCATGCAGTTTCTCAAGTCCCGAGGCTATGTGAAGGAACAGTTTGC
CTGGAGACATTTCTACTGGTATCTTACCAATGAGGGTATCCAGTATCTCCGTGATTACCTTCATCTGCCCCAGA
GATTGTGCCTGCCACCCTATGCCGTAGCCGTCCAGAGACTGGCAGGCCTCGGCCTAAAGGTCTGGAGATTGAGCG
ACCTACGAGACTCGCAAGAGGGGAAGCTGACAGAGATACCCACAGATTGAGTGCTGTGCCACCTGGTGCCGCAAG
AAAGCTGAGGCTGGGGCTGGGTGAGCAACCGAATTCCAGTTTAGAGGCGGATTTGGTCATGGACGTGGTCAGCCA
CCTCAGTAAAATTGGAGAGGATTCTTTTGCATTGAATAAACTTACAGCCAAAAATCCTTAAAA

2937/6881
FIGURE 2713

MLMPKKNRIAIYELLFKEGVMVAKKDVHMPKHPELADKNVNLHVMKAMQFLKSRGYVKEQFAWRHFWYLTNEG
IQYLRDYLHLPPEIVPATLCRSPETGRPRPKGLEIERPTRLARGEADRDTHR

2938/6881
FIGURE 2714

AGTCTCCGGCGAGTTGTTGCCTGGGCTGGACGTGGTTTTGTCTGCTGCGCCCGCTCTTCGCGCTCTCGTTTCATT
TTCTGCAGCGCGCCACGAGGATGGCCCAAGCAGATCTACTACTCGGACAAGTACTTCGACGAACACTACGAGT
ACCGGCATGTTATGTTACCCAGAGAACTTTCCAAACAAGTACCTAAAACATCTGATGTCTGAAGAGGAGTGGA
GGAGACTTGGTGTCCAACAGAGTCTAGGCTGGGTTCATTACATGATTTCATGAGCCAGAACCACATATTCTTCTCT
TTAGACGACCTCTTCCAAAAGATCAACAAAAATGAAGTTTATCTGGGGATCGTCAAATCTTTTTCAAATTTAATG
TATATGTGTATATAAGGTAGTATTTCAGTGAATACTTGAGAAATGTACAAATCTTTCATCCATACCTGTGCATGAG
CTGTATTCTTTCACAGCAACAGAGCTCAGTTAAATGCAACTGCAAGTAGGTTACTGTAAGATGTTTAAGATAAAAG
TTCTTCCAGTCAGTTTTTCTCTTAAGTGCCTGTTTGAGTTTACTGAAACAGTTTACTTTTTGTTCAATAAAGTTTG
TATGTTGCATTTAAAAAAAAAAAAAAAAA

2939/6881
FIGURE 2715

MAHKQIYYSDKYFDEHYEYRHVMLPRELSKQVPKTHLMSEEEWRRRLGVQQSLGWVHYMIHEPEPHILLFRRPLPK
DQQK

2940/6881
FIGURE 2716A

CGGGCAGCGTGGACCCCGGATGAGTTGCTTTTAGGCTTGCTGGCCCGCGGGGCTGTCCAGGCACGCGAGGCCCTT
CAACAAAATGCTTCAACAAGTTCAGAAAACATAAATTTTCTGCTGAAGAAGAGAAAATCTTGGAGTTTTGGAC
TGAATTTAATTGTTTTAGGAATGCTTAAAGCAATCAAAACATAAACCAAAATTTACCTTCTATGATGGTCTCTCC
TTTTGCAACTGGACTGCCTCACTATGGACATATACTTGCGGGTACAATTAAAGATATAGTTACAAGATATGCTCA
CCAGAGTGGGTTTTCATGTTGACAGAAGATTTGGATGGGATTGCCATGGCTTACCTGTGGAATATGAAATTGATAA
GACACTGGGAATCAGAGGACCAGAGGATGTGGCCAAAATGGGGATTACAGAGTATAACAATCAGTGCCGAGCAAT
TGTGATGAGATATTCTGCTGAGTGAAGTCTACTGTTAGCAGACTTGGCCGATGGATTGACTTTGACAATGACTA
TAAACTCTGTATCCACAATTCATGGAATCAGTCTGGTGGGTCTTCAAACAACCTCTATGATAAAGGCCCTTGTTTA
TAGAGGTGTGAAAGTCATGCCCTTCTCTACGGCATGTAACACTCCACTTTCCAACCTCGAGTCACACCAGAATTA
TAAGGATGTTCAAGATCCTTCAGTATTTGTAACCTTTCCCTTTGGAAGAAGATGAACTGTATCTTTAGTTGCTTG
GACAACCACTCCCTGGACTCTACCTAGTAACCTTGCTGTGTGTGTTAATCCAGAAATGCAATATGTGAAAATTAA
AGATGTTGCCAGAGGACGATTACTCATTTTAATGGAAGCCAGATTGTCAGCCCTCTATAAATTGGAGAGTGACTA
TGAGATCCTTGAAAGATTTCTGGTGCCTATCTTAAAGGCAAGAAGTACAGGCCCTGTTTGACTATTTCTCTGAA
GTGTAAAGAGAATGGCGCTTTCACTGTGCTTGTTGACAACCTATGTGAAGGAAGAAGAAGGCACAGGGGTTGTCCA
CCAAGCTCCTTACTTCGGTGTGAGGACTATCGGGTCTGTATGGACTTTAACATTATTCGAAAGACTCACTCCC
TGTTTGCCCTGTGGATGCTTCAGGCTGCTTCACAACGGAGGTGACAGATTTTCGAGGACAGTATGTGAAGGATGC
TGACAAAAGTATCATCAGGACTTTGAAGGAACAAGGCCGACTTCTGGTTGCCACCACCTTCACTCACAGCTACCC
TTTTTGCTGGAGATCAGACACTCCTCTAATTTACAAAGCAGTGCCAGCTGGTTTGTGCGAGTGAGAACATGGT
GGACCAGCTCCTAAGGAACAATGACCTGTGCTACTGGGTCCCAGAGTTGGTACGAGAAAAACGATTTGAAAATTG
GCTGAAAGATGCACGTGACTGGACAATTTCCAGAAAACAGATACTGGGGCACCCCATCCCCTGTGGGTCAGCGA
TGACTTTGAGGAGGTGGTATGCATTGGGTGAGTGGCGGAACCTGAAGAAGTGTGAGGAGCAAGATCTCAGATCT
CCACAGAGAGAGTGTGACCACCTGACCATTCCCTTCACGCTGTGGGAAGGGATCCTTGACCCGCATCTCTGAAGT
GTTTGACTGTTGGTTTGAGAGTGGCAGCATGCCCTATGCTCAGGTTTATTACCCGTTTGAAAACAAGAGGGAGTT
TGAGGATGCTTTTTCTGCAGATTTTATTGCGGAGGGCATCGACCAAACAGAGGATGGTTTTATACCCCTGCTGGT
GCTGGCCACGGCCCTCTTTGGACAACCGCCTTTCAAGAACGTAATTGTGAATGGGCTTGCTCTGGCAAGTGATGG
CCAAAAAATGAGCAAAACGGAAGAAATTATCCAGATCCAGTTTCCATCATCCAGAAGTATGGTGCTGATGCCCT
CAGATTATATCTGATTAACTCCCCTGTGGTGAGAGCAGAAAACCTCCGCTTTAAAGAAGAGGGTGTGCGGGACGT
CCTTAAGGATGTACTGCTCCCATGGTACAATGCCTATCGCTTCTTAATCCAGAACGTTCTGAGGCTCCAGAAGGA
GGAAGAAATAGAATTTCTCTACAATGAGAACACGTTAGAGAAAGCCCCAACATTACAGACCGGTGGATCCTGTC
CTTCATGCAGTCTCTCATTGGCTTCTTTGAGACTGAAATGGCAGCTTATAGGCTTTATACTGTGGTGCCTCGCCT
GGTCAAGTTTGTAGATATTCTGACCAATTGGTATGTTAGAATGAACCGCAGAAGATTAAAGGGTGAAAATGGGAT
GGAGGATTGTGTCATGGCCCTAGAAACCTTGTTAGTGTCTGCTTTCTCTTTCAGACTTATAGCTCCCTACAC
ACCTTTTCTCACTGAATTGATGTACCAGAATCTAAAGGTGCTGATTGACCCTGTTTCTGTTTCAGGACAAGGACAC
ACTCAGCATTCACTACCTCATGCTGCCCCGTGTTTCGAGAAGAATTGATTGACAAGAAAACAGAGAGTGCAGTATC
TCAGATGCAGTCTGTGATTGAACTTGGAAGAGTGATCAGAGACCGAAAAACTATTCCCATAAAGTATCCTTTGAA
AGAAATTGTGGTTATCCATCAAGATCCAGAAGCTCTTAAAGATATCAAGTCTTTGGAGAAGTATATCATTGAGGA
ACTCAATGTTTCAAAAAGTTACACTGTCTACAGATAAAAAACAAGTATGGCATTTCGGCTAAGGGCAGAACCAGATCA
CATGGTCTTGGGGAAGCGTCTGAAGGGAGCCTTTAAGGCAGTGATGACGTCCATCAAGCAGTTGAGCAGTGAGGA
GCTGGAGCAGTTCCAGAAGACTGGGACCATGTTGTGGAAGGCCATGAATTGCACGATGAAGACATCCGCCTCAT
GTACACCTTTGATCAGGCCACAGGTGGGACTGCGCAATTTGAAGCACACTCAGATGCTCAGGCTTTGGTCCCTCTT
AGATGTCACTCCTGACCAGTCAATGGTAGATGAAGGAATGGCTCGGGAAGTCATCAATCGCATACAGAACTTCG
CAAAAAGTGCAATCTGGTTCCAACCTGATGAAATCACAGTGACTATAAAGCAAAGTCTGAAGGAACATATCTGAA
TAGTGTTATTGAAAGCCACACAGAGTTCATATTTACCACCATAAAGGCTCCCTTGAAACCATATCCAGTTTCTCC
ATCGGATAAAGTCCTTATTCAAGAAAAACACAGTTGAAGGGATCTGAACTGGAAATTACACTCACCAGAGGATC
TTCCCTTCTGGTCTGCTTGTGCAATGTCAATCTTAACATTTGTGCAAATGGCAGTGAAACAAGGTGGAGTATT
GCTCCTGGAAAAATCCAAAAGGTGACAATAGGTTGGACCTTTTAAAGCTGAAGAGTGTGTCACTAGCATTTTTGG
TGTGAAAAATACAGAGCTGGCTGTCTTCCATGATGAAACAGAAATACAAAACCAAACTGACTTACTGAGTCTTAG
TGGA AAAACACTTTGTGTGACTGCAGGATCGGCTCCCTCTCTGATCAACAGTTCTAGTACTCTCTTTGTGAGTA

2941/6881
FIGURE 2716B

TATCAACCTACAGCTCCTGAATGCAAAGCCACAAGAGTGTTTAATGGGGACAGTGGGCACTCTCCTGCTTGAAAA
CCCACTTGGGCAGAATGGACTCACCCACCAAGGTCTTCTGTATGAAGCAGCCAAGGTGTTTGGCCTTCGGAGCAG
GAAGCTAAAGCTGTTTCTGAATGAGACCCAAACGCAGGAAATTACAGAAGACATCCCCGTGAAGACTTTGAATAT
GAAGACTGTGTATGTTTCTGTGTTACCAACAACAGCAGACTTCTAGCATGTACTTATCAATGTTGTTTCGGTCAGC
CCTTCCCTAATTACACCTATCCCCTACACATACATGCACATAGACACACACATGAACACACTGAAGATATTTCT
TCAGGTGTGTGTAAAAATATGCTGCTTGGATTGAAATTCAAATGGGATTGATTAGTCAAGTAACTTGAGACCTCAC
AGTAATCTTCACACTTAACCTTAGACACCTATGCAGTCATGTTGGGAGCAGGTTACAATGTTACTTCAGCCCACA
GTTTATTTCTATTCTTGAGTTCTTAAGTACAGAAGATAGAAGTGATTTAAATGGCATAGTATATATATCATTTC
TGGCCTTTTAAAAATTTATTTGAGACCTCTTGATGAAATGGACATATTATATATTTCTGCCACCTGGATTTTCCTG
GATAATTTGATGGAATATTTTAAGTTTCAGTAAATCAGAACAATAAAACAAACTCAGATAT

2942/6881
FIGURE 2717

MLQQVPENINFPAAEEKILEFWTEFNCFQECLKQSKHKPKFTFYDGPPFATGLPHYGHILAGTIKDIVTRYAHQS
GFHVDRREFGWDCHGLPVEYEIDKTLGIRGPEDVAKMGITEYNNQCRAIVMRYSAEWKSTVSRLGRWIDFDNDYKT
LYPQFMESVWWWFKQLYDKGLVYRGVKVMPFSTACNTPLSNFESHQNYKDVQDPSVFTFPLEEDETIVSLVAWTT
TPWTLPSNLAVCVNPEMQYVKIKDVARGRLILMEARLSALYKLESDYEILERFPGAYLKGKKYRPLFDYFLKCK
ENGAFITVLVDNYVKEEEGTGVVHQAPYFGAEDYRVCMDFNIIIRKDSLPCVVDASGCFTTEVTDFAGQYVKDADK
SIIIRTLKEQGRLLVATTFTHSYPFCWRSDTPLIYKAVPSWFFVRVENMVDQLLRNNDLCYWVPELVREKRFGNWLK
DARDWTISRNRWGTPIPLWVSDDFEEVVCIGSVAELEELSGAKISDLHRESVDHLTIPSRGKGSLSHRISEVFD
CWFESGSMPIYAQVHYPPFENKREFEADFPADFIAEGIDQTRGWFTLLVLATALFGQPPFKNVIVNGLVLASDGQK
MSKRKKNPDPVSI IQYGADALRLYLINSPVRAENLRFKEEGVRDVLKDVLLPWYNAYRFLIQNVLRRLQKEEE
IEFLYNENTVRESPNITDRWILSFMQSLIGFFETEMAAYRLYTVVPRLVKFVDILTNNWYVRMNRRLKGENGMED
CVMALETLFSVLLSLCRLIAPYTPFLTELMYQNLKVLIDPVSVDKDTLSIHYLMLPRVREELIDKKTESAVSQM
QSVIELGRVIRDRKTIP IKYPLKEIVVIHQDPEALKD IKSLEKYIIEELNVRKVTLSLTDKNKYGIRLRAEPDHMV
LGKRLKGAFKAVMTSIKQLSSEEELEQFQKTGTIVVEGHELHDEDIRLMTFTDQATGGTAQFEAHSDAQALVLLDV
TPDQSMVDEGMAREVINRIQKLKKCNLVP TDEITVYYKAKSEGTYLNSVIESHTEFIFTTIKAPLKPYPVSPSD
KVLIQEKTQLKGSELEITLTRGSSLPGPACAYVNLNICANGSEQGGVLLLENPKGDNRLDLLKLKSVVTSIFGVK
NTELAVFHDETEIQNTDLLSLSGKTLCVTAGSAPSLINSSSTLLCQYINLQLLNAKPQECLMGTVGTLLLENPL
GQNGLTHQGLLYEAAKVFGLRSRKLKFLNETQTQEITEDIPVKTLNMKTVYVSVLPPTADF

2943/6881
FIGURE 2718A

CGGGCAGCGTGGACCCCGGATGAGTTGCTTTTAGGCTTGCTGGCCCCGCGGGGCTGTCCAGGCACGCGAGGCCCT
CAGGTACGCCCTCTCTTCCCTGCAGGATCCGGCCCTCAAAGACGAGGGTCACGCACGCGTTACAACCCCGAAACA
GTAGCACAAGATTTAATTTTTAAAAGAGCGTGTTCCTCGGGGCTTGCCGTTTCGTTTCGTTTCAGCCTCAGGAAT
TTATGGTCGCCCTTTTGAATGAGCAACAAAATGCTTCAACAAGTTCCAGAAAACATAAATTTTCTGCTGAAGAA
GAGAAAATCTTGAGTTTTGGACTGAATTTAATTGTTTTAGGAATGCTTAAAGCAATCAAAACATAAACCAAAA
TTTACCTTCTATGATGGTCCTCCTTTTGCAACTGGACTGCCTCACTATGGACATATACTTGCGGGTACAATTAAA
GATATAGTTACAAGATATGCTCACCAGAGTGGGTTTCATGTTGACAGAAGATTTGGATGGGATTGCCATGGCTTA
CCTGTGGAATATGAAATTGATAAGACACTGGGAATCAGAGGACCAGAGGATGTGGCCAAAATGGGGATTACAGAG
TATAACAATCAGTGCCGAGCAATTGTGATGAGATATTCTGCTGAGTGGAAGTCTACTGTTAGCAGACTTGGCCGA
TGGATTGACTTTGACAAATGACTATAAACTCTGTATCCACAATTCATGGAATCAGTCTGTTGGGTCTTCAAACAA
CTCTATGATAAAGGCCCTTGTATAGAGGTGTGAAAGTCATGCCCTTCTCTACGGCATGTAACACTCCACTTTCC
AACTTCGAGTCACACCAGAATTATAAGGATGTTCAAGATCCTTCAGTATTTGTAACCTTCCCTTTGGAAGAAGAT
GAAACTGTATCTTTAGTTGCTTGGACAACCACTCCCTGGACTCTACCTAGTAACCTTGCTGTGTGTGTTAATCCA
GAAATGCAATATGTGAAAATTAAAGATGTTGCCAGAGGACGATTACTCATTTTAAATGGAAGCCAGATTGTCAGCC
CTCTATAAATTGGAGAGTGACTATGAGATCCTTGAAAGATTTCTGGTGCCTATCTTAAAGGCAAGAAGTACAGG
CCCCGTGTTTGACTATTTCTGAAGTGTAAGAGAATGGCGCTTTCAGTGTGCTTGTGACAACATATGTGAAGGAA
GAAGAAGGCACAGGGGTGTGCCACCAAGCTCCTTACTTCGGTGTGAGGACTATCGGGTCTGTATGGACTTTAAC
ATTATTCGGAAGACTCACTCCCTGTTTGCCCTGTGGATGCTTCAGGCTGCTTCACAACGGAGGTGACAGATTTTC
GCAGGACAGTATGTGAAGGATGCTGACAAAAGTATCATCAGGACTTTGAAGGAACAAGGCCGACTTCTGGTTGCC
ACCACCTCACTCACAGCTACCCTTTTGTGAGAGATCAGACACTCCTCTAATTTACAAAGCAGTGCCAGCTGG
TTTGTGCGAGTGGAGAACATGGTGGACCAGCTCCTAAGGAACAATGACCTGTGCTACTGGGTCCCAGAGTTGGTA
CGAGAAAAACGATTTGAAATTGGCTGAAAGATGCACGTGACTGGACAATTTCCAGAAAACAGATACTGGGGCACC
CCCATCCCACTGTGGGTGACGATGACTTTGAGGAGGTGGTATGCATTGGGTGAGTGGCGGAACCTGAAGAAGTGT
TCAGGAGCAAAGATCTCAGATCTCCACAGAGAGAGTGTGACCACCTGACCATTCCCTTCACGCTGTGGGAAGGGA
TCCTTGACCGCATCTCTGAAGTGTGTTGACTGTTGGTTTGAGAGTGGCAGCATGCCCTATGCTCAGGTTCAATTAC
CCGTTTGAAAACAAGAGGGAGTTTGAGGATGCTTTTCTGCAGATTTTATTGCCGAGGGCATCGACCAAACCAGA
GGATGGTTTTATACCCTGCTGGTGTGGCCACGGCCCTCTTTGGACAACCGCCTTTCAAGAACGTAATTGTGAAT
GGGCTTGTCTGGCAAGTGATGGCCAAAAAATGAGCAACGGAAAAAGAATTATCCAGATCCAGTTTCCATCATC
CAGAAGTATGGTGCTGATGCCCTCAGATTATATCTGATTAACCTCCCTGTGGTGAGAGCAGAAAACCTCCGCTTT
AAAGAAGAGGGTGTGCGGGACGTCCTTAAGGATGTACTGCTCCCATGGTACAATGCCTATCGCTTCTTAATCCAG
AACGTTCTGAGGCTCCAGAAGGAGGAAGAAATAGAATTTCTCTACAATGAGAACACGGTTAGAGAAAGCCCCAAC
ATTACAGACCGGTGGATCCTGTCCTTCATGCAGTCTCTCATTGGCTTCTTTGAGACTGAAATGGCAGCTTATAGG
CTTTATACTGTGGTGCCCTCGCTGCTCAAGTTTGTAGATATTCTGACCAATTGGTATGTTAGAATGAACCGCAGA
AGATTAAGGGTGAAAAATGGGATGGAGGATTGTGTCATGGCCCTAGAAACCTTGTTTAGTGTTCTGCTTTCTCTT
TGCAGACTTATAGCTCCCTACACACCTTTTCTCACTGAATTGATGTACCAGAATCTAAAGGTGCTGATTGACCCT
GTTTCTGTTTCAAGGACAAAGGACACACTCAGCATTCACTACCTCATGCTGCCCCGTGTTTCGAGAAGAATTGATTGAC
AAGAAAAACAGAGAGTGAGTATCTCAGATGCAGTCTGTGATTGAACCTGGAAGAGTGATCAGAGACCGAAAAACT
ATTCCCATAAAGTATCCTTTGAAAGAAATTGTGGTTATCCATCAAGATCCAGAAGCTCTTAAAGATATCAAGTCT
TTGGAGAAGTATATCATTGAGGAACCTCAATGTTGAAAAGTTTACTGTCTACAGATAAAAAACAAGTATGGCATT
CGGCTAAGGGCAGAACCAGATCATGTTCTGGGGAAGCGTCTGAAGGGAGCCTTTAAGGCAGTGATGACGTCC
ATCAAGCAGTTGAGCAGTGAGGAGCTGGAGCAGTTCCAGAAGACTGGGACCATTGTTGTGGAAGGCCATGAATTG
CACGATGAAGACATCCGCTCATGTACACCTTTGATCAGGCCACAGGTGGGACTGCGCAATTTGAAGCACACTCA
GATGCTCAGGCTTTGGTCTCTTAGATGTCACTCCTGACCAGTCAATGGTAGATGAAGGAATGGCTCGGGAAGTC
ATCAATCGCATACAGAACTTCGCAAAAAGTGCAATCTGGTTCCAAGTATGAAATCACAGTGTACTATAAAGCA
AAGTCTGAAGGAACATATCTGAATAGTGTATTGAAAGCCACACAGAGTTCAATTTACCACCATAAAGGCTCCC
TTGAAACCATATCCAGTTTCTCCATCGGATAAAGTCCTTATTCAAGAAAAACACAGTTGAAGGGATCTGAACTG
GAAATTACACTCACCAGAGGATCTTCCCTTCTGGTCTGCTTGTGCATATGTCAATCTTAACATTTGTGCAAT
GGCAGTGAACAAGGTGGAGTATTGCTCCTGGAAAATCCAAAAGGTGACAATAGGTTGGACCTTTTAAAGCTGAAG

2944/6881
FIGURE 2718B

AGTGTGTCAGTACTAGCATTGTTGGTGTGAAAAATACAGAGCTGGCTGTCTTCCATGATGAAACAGAAATACAAAAC
CAAACAGCTTACTGAGTCCTAGTGGAACAACTTTGTGTGACTGCAGGATCGGCTCCCTCTCTGATCAACAGT
TCTAGTACTCTTCTTTGTCAGTATATCAACCTACAGCTCCTGAATGCAAAGCCACAAGAGTGTTAATGGGGACA
GTGGGCAGCTCTCCTGCTTGAAAACCCACTTGGGCAGAAATGGACTCACCACCAAGGTCTTCTGTATGAAGCAGCC
AAGGTGTTTGGCCTTCGGAGCAGGAAGCTAAAGCTGTTTCTGAATGAGACCCAAACGCAGGAAATTACAGAAGAC
ATCCCCGTGAAGACTTTGAATATGAAGACTGTGTATGTTTCTGTGTTACCAACAACAGCAGACTTCTAGCATGTA
CTTATCAATGTTGTTTCGGTCAGCCCTTCCCTAATTACACCTATCCCCTACACATACATGCACATAGACACACACA
TGAACACACTGAAGATATTTCTTCAGGTGTGTGTAATATGCTGCTTGGATTGAAATTCAAATGGGATTGATT
AGTCAAGTAACTTGAGACCTCACAGTAATCTTCACACTTAACCTTAGACACCTATGCAGTCATGTTGGGAGCAGG
TTACAATGTTACTTCAGCCACAGTTTATTTCTATTCTTGAGTTCTTAAGTACAGAAAGATAGAAGTGATTTAAAT
GGCATAGTATATATATCATTCTTGGCCTTTTAAATTTATTTGAGACCTCTTGATGAAATGGACATATTATATA
TTTCTGCCACCTGGATTTTCTGGATAATTTGATGGAATATTTTAAGTTTCAGTAAATCAGAACAATAAACAAAC
TCAGATAT

2945/6881
FIGURE 2719

MLQQVPENINFPAAEEKILEFWTEFNCFQECCLKQSKHKPKFTFYDGPPFATGLPHYGHILAGTIKDIVTRYAHQS
GFHVDRRFGWDCHGLPVEYEIDKTLGIRGPEDVAKMGITEYNNQCRAIVMRYSAEWKSTVSRLGRWIDFDNDYKT
LYPQFMESVWWVFKQLYDKGLVYRGVKVMPFSTACNTPLSNFESHQNYKDVQDPSVFTFPLEEDETIVSLVAWTT
TPWTLPSNLAVCVNPEMQYVKIKDVARGRLILMEARLSALYKLES DYEILERFPGAYLKGKKYRPLFDYFLKCK
ENGAF TVLVDNYVKEEEGTGVVHQAPYFGAEDYRVCMDFNIIRKDSL P VCPVDASGCFTTEVTDFAGQYVKDADK
SIIRTLKEQGRLLVATTFTHSYPFCWRSDTPLIYKAVPSWFVRVENMVDQLLRNNDLCYWVPELVREKRFGNWLK
DARDWTISRNRWGTPIPLWVSDDFEEVVCIGSVAELEELSGAKISDLHRESVDHLTIPSRGKGS LHRRISEVFD
CWFESGSMPPYAQVHYPFENKREFEDAFPADFIAEGIDQTRGWFTLLVLATALFGQPPFKNVIVNGLVLASDGQK
MSKRKKNYDPVSI IQYGADALRLYLINSPVVR AENLRFKEEGVRDVLKDVLLPWYNAYRFLIQNVLR LQKEEE
IEFLYNENTVRESPNITDRWILSFMQSLIGFFETEMAAYRLYTVVPRLVKFVDILTNYVVRMNRRLKGENGMED
CVMALETLSVLLSLCRLIAPYTPFLTELMYQNLKVLIDPVSVDKDTLSIHYLMLPRVREELIDKKTESAVSQM
QSVIELGRVIRDRKTIPIKYPLKEIVVIHQDPEALKD IKSLEKYIIEELNVRKVTLS TDKNKYGIRLRAEPDHMV
LGKRLKGAFKAVMTSIKQLSSEELEQFQKTGTIVVEGHELDHEDIRLMYTFDQATGGTAQFEAHSDAQALVLLDV
TPDQSMVDEGMAREVINRIQKL RKKCNLVP TDEITVYYKAKSEGTYLNSVIESHTEFIFTTIKAPLKPYPVSPSD
KVLIQEKTQLKGSELEITLTRGSSLP GPACAYVNLNICANGSEQGGVLLLENPKGDNRLDLLKLKSVVTSIFGVK
NTELAVFHDETEIQNTDLLSLSGKTL CVTAGSAPSLINSSSTLLCQYINLQLLNAKPQECLMGTVG TLLLENPL
GQNGLTHQGLLYEAAKVFG LRSRKLKFLNETQTQEITEDIPVKTLNMKTIVYVSVLPTTADF

2946/6881
FIGURE 2720A

TGAGGAGGGCCCGCCTGCGAGAGCCTCAGTGGGAGCCGGCTCAGCCCTCGGCCACCATGTCGGCGCCGTCCGAG
GAGGAGGAGTACGCGCGGCTGGTGTATGGAGGCGCAGCCGGAGTGGCTGCGCGCCGAGGTGAAGCGGCTGTCCAC
GAGCTGGCCGAGACCACGCGTGAGAAGATCCAGGCGGCCGAGTACGGGCTGGCGGTGCTCGAGGAGAAGCACCAG
CTCAAGCTGCAGTTTCAGGAGCTCGAGGTGGACTATGAGGCTATCCGCAGCGAGATGGAGCAGCTCAAGGAGGCC
TTTGGACAAGCACACACAAACCACAAGAAGGTGGCTGCTGACGGAGAGAGCCGGGAGGAGAGCCTGATCCAGGAG
TCGGCCTCCAAGGAGCAGTACTACGTGCGGAAGGTGCTAGAGCTGCAGACGGAGCTGAAGCAGTTGCGCAATGTC
CTCACCAACACGCAGTCGGAGAATGAGCGCCTGGCCTCTGTGGCCCAGGAGCTGAAGGAGATCAACCAGAATGTG
GAGATCCAGCGTGGCCGCTGCGGGATGACATCAAGGAGTACAAATTCCGGGAAGCTCGTCTGCTGCAGGACTAC
TCGGAAGTGGAGGAGGAGAATCAGCCTGCAGAAGCAAGTGTCTGTGCTCAGACAGAACCAGGTGGAGTTTGAG
GGCCTCAAGCATGAGATCAAGCGTCTGGAGGAGGAGACCGAGTACCTCAACAGCCAGCTGGAGGATGCCATCCGC
CTCAAGGAGATCTCAGAGCGGCAGCTGGAGGAGGCGCTGGAGACCCTGAAGACGGAGCGCGAACAGAAGAACAGC
CTGCGCAAGGAGCTGTCACTACATGAGCATCAATGACTCCTTCTACACCAGCCACCTGCATGTCTCGCTGGAT
GGCCTCAAGTTCAGTGACGATGTGCCGAGCCCAACAACGATGCCGAGGCCCTGGTCAATGGCTTTGAGCACGGC
GGCCTGGCCAAGCTGCCACTGGACAACAAGACCTCCACGCCCAAGAAGGAGGGCCTCGCACCGCCCTCCCCCAGC
CTCGTCTCCGACCTACTCAGTGAGCTCAACATCTCTGAGATCCAGAAGCTGAAGCAGCAGCTGATGCAGATGGAG
CGGGAAGGCGGGCCTGCTGGCAACGCTGCAGGACACACAGAAGCAGCTGGAGCACACGCGGGGCTCCCTGTCA
GAACAGCAGGAGAAGGTGACCCGCTCACAGAGAATCTGAGTGCCCTGCGGCGCTGCAGGCCAGCAAGGAGCGG
CAGACAGCCCTGGACAACGAGAAGGACCGTGACAGCCATGAGGATGGGGACTACTACGAGGTGGACATCAACGGG
CCTGAGATCTTGGCCTGCAAGTACCATGTGGCTGTGGCTGAGGCTGGCGAGCTCCGCGAGCAGCTCAAGGCATG
CGCAGCACGCACGAGGCTCGTGAGGCCAGCACGCCGAGGAGAAGGGCCGCTATGAGGCTGAGGGCCAGGCATC
ACGGAGAAGGTCTCCCTGCTAGAGAAGGCCAGCCGCCAGGACCGCGAGCTGCTGGCCCCGCTGGAGAAGGAGCTA
AAGAAGGTGAGCGACGTCGCCGCGAGACACAGGGCAGCCTGAGTGTGGCCCAGGATGAGCTGGTGACCTTCAGT
GAGGAGCTGGCCAATCTCTACACCACGTGTGCATGTGCAACAATGAGACACCCAACCGTGTCTGCTGGACTAC
TACCGCGAGGGCCAGGGCGGGGCCGCGCACCAGTCCCGGGGGCCGACACAGCCCCGAGGCGCGTGGCCGGCGC
TACCCATCCTCTACCCAAGGGGCTGCTGGCTCCTGAGGCGGGCCGAGCAGATGGTGGGACGGGGACAGCAGC
CCCTCGCCTGGCTCCTCACTGCCATCACCCCTGAGTGACCCACGCCGGGAGCCCATGAACATCTACAACCTGATC
GCTATCATCCGTGACCAGATCAAGCACCTGCAGGCAGCCGTGGACCGCACACCGGAGCTGTACGCCAGCGCATT
GCCTCTCAGGAGCTGGGCCCCGCGTGGACAAGGACAAGGAAGCGCTTATGGAGGAGATCCTCAAGCTGAAGTCG
CTGCTCAGCACCAAGCGGGAGCAGATCACCACGCTGCGCACTGTGCTCAAGGCCAACAGCAGACGGCCGAGGTG
GCCCTTGCCAACCTGAAGAGCAAGTATGAGAATGAGAAGGCCATGGTTACCGAGACCATGATGAAGCTGCGCAAT
GAGCTCAAGGCCCTCAAGGAGGACGCAGCCACCTTCTCCTCGCTGCGTGCTATGTTTGCCACCAGGTGTGACGAG
TACATTACACAGCTGGATGAGATGCAGCGGCAGCTGGCGGCTGCTGAGGACGAGAAGAAGACGCTGAACCTCGCTG
CTGCGCATGGCCATCCAGCAGAAGCTGGCGCTGACCCAGCGGCTGGAGCTGCTCGAGCTGGACCATGAGCAGACC
CGGCGTGGCCGTGCCAAAGCCGCCCGGAAGACCAAGCCAGCCACACCGAGCGTAAGTCACACCTGTGCCTGTGCC
AGCGACAGGGCCGAGGGCACCGGGCTGGCCAACCAGGTGTTCTGCAGCGAGAAGCACAGCATTTACTGTGATTAG

GGGCTGTGGGGCGCCGACGCTGCAGCTAACATCTGCTTACCTCAACTAACCAGCAGCAGCGGGACGGCGGTG
CTAGGTCAATCTTAACGTGACTAATGCACAGAGGGTAGGAGTCTAGCCGAGGCGCCATGGGGCGTTGCATCAGCA
GGACACTTGTGAGAGCTTTGTGTCGCTTCTCACTCCTCAAAGCCCCCTCAGGAGCACCCAGTCTCAGCTGCTCT
CTTAGGTGGGGGTGAGAGGTGGGGATAGAGCTGCACATTCTTGACAGCAGATGTGTGATGAAAGCATCTTCTAAGC
CCTGCGCACCCGTGGGGAAACCCAAGGGAGGAGTCTGGTCTCTGCTCCCTCAGCACCCAAAAGGGGCAGAACCTG
AGTTGAGACTTGCATGTTCTCGCATGTGTCTAATGTGACACTAGAAAGCAGTTTTAGGAGGTTCCAGCCTGCA
GCATAGGTACGACCTCAGAGGATGGCTTTGCACTTGGCATAGTTTCATGGAAAGGAGTACGTTGTAGTTTATGCA
GTATCTGACTGCAATCATATTAGGAAAGAAGTGCAGAATTTCTTCCCCAAGCCCAGAGAAGAGCAGCCCTGAG
CCCCTGTATTCTGCTGGCCAGACACACATGGCACAGACACAGCTGACCATAACCCAGGAATCCAGAGCTCGGTTT
CTCATTTCTGAGATCAGGATGCTTGTATAGTGGCCTGTGAGGTGACAGATTGGCAGGGCCCAAGGCCCCAGGTTT
TCATTTTTCATGAGAAAAGCTTTCCAAGTGCCTGGCCAGACCTTGGTCTTAGTGACAGAGCCCGTCTTTTGTAC
TTGGGGTGACCCAGCAGCCAATTATCCGGCCTTCCATAGGGGGTTCAGTCCCAAAGACATGGGGCTTTGAAAAC
CCTAGCCTGAAGTCTGAGCCACCAAGGGCTTGGCTGGGTGGACACCCACAGGTGTATCCAGAGCCCAGCCCGT

2947/6881
FIGURE 2720B

GCTGGGAAAGCTTTGCATAGGGCCAGGGCCACTTGTCTAGGATTCACAGGTAGGAGATGTTTAGGTCTCTTTATTT
AGTGCAATCTGGGGGATGGCAACAGAGAAAAGAGGAAAGGTAGCTGTAGGGTTCTCCCATTTCCAGAGGCTCCATC
CACACCTGCCTTCCCACATTCTGAGCAGAACTTTTCTCAGTACTTTTTTCCCGATCACCCCTGTGGGACCAGCTGG
ACCTGAGGCTGCAGTCTTCTCTCCTGCAGGCTGCTTGCCCTTGTCTCTCATGCGGAAGAGGCATTTCGAGTTACCTG
GTGAGAGACCGTGTTGCCCCCTCCCACAGCTCTCTGCCCTGCGCGTTCTTCCCTTTGGTGCCGAGTATGTTTCGG
TCCCCTCCAGACTCCAGGACACGCCCATGTATGTCCCCTGCGTGTTTCATCCTGGGCCCAGATCCCCCTGCCCCAG
CAAGACTCGCAGTGGGATGGCTGCTGGCATGCCACCCTGCATGCGCTTTGCCCTCTCCTTGCAAGCCTGGCACA
TAGCTTCTCTCCATACTCCTAAGGGACTTTGCAGACACCCAAGCCACTGGGACCCCTGCTAACACATGCAGGTCT
TCTCTTCTGCCAACTAACGTGCTCGCGCCCTCCCAGCACGTGGAGAGCTTCAATTGTCAGATAAACAGGAAGCGA
CAGATGACCGCTTTCTAACGCTCTCTTTTCTCCGTTTTTCTGCTGTAGAGTAGCTGCCAGGAGGACTTGGCCACC
CGGCCCTGTCACTGCAGCCCTTCCCCTTCCCTCTCGTGGCCACAAGGAGGAAGGAAGGGCAACCTAAAAGC
CCACTTAGAACTTTTTGGATATGCCACTGCAATTCTTTTCAAATAGCATTCCCCAGGTTTTTAATGGGAGGAA
AAAAAGCTTTAATGTTGAGCATGCTGCGAGCTGCTGCGTGGAAGGCCTCTGTATGGGCCGAAGACCTTCTTCC
CTGGCTGCCAGGCTCGCCAGGAGCCCACTGGAAACGCCCACCACGGGGCTCCTTGTTACACATGTTCTTTTTTT
ATCCGATCAACCTGTGCACTTTTGATATTTTGATATTATATTGCTTCCCTTAATTCTCGCGTAGAGACGGTCTC
AGGTGCCGTGGTCTATGCTCGTGGTCTGTAGCTGTCCGCCTCAGCTCCCACCGTGTGTTGTCTGGTGTGACGACG
AGGCAGAGCTGTGTGCTCCATAGCGTGTAGCTTTAGACTCGGAGATGAGTGCTTTGACCCAGCGAGGAGCTCAGC
TAAGTGTATCCACGCTGTGGTTCAGCAGCCTTTAGATCATACGGCATTGTGGTTCATGTTTGAAATTACAGATTT
TAAATGCCATGTTTATTAAAGAAATCCAGGGTATTTCAGATTCTGGGGTTTTTCATATTGTATTATTATTCTTA
GGAATAGTTCAATGTAACAAGAAGAAAACCTTGACCTTTGCTCTGGTTAAAACAGTAATAGGCACTTGAAAAAAA
AGATAAATTATTGAATGAGTAGTATTACCTACAAATTCAGAATTTTCTGGGTTTTAGGACGTTGTGAAGCATGA
CTGATTAACAGAATTTTATACAACTGTACCAATAAAATTCAAATTGGAATTGTTTTGTTACTCTGGTTGTTGTG
CCAAATTGTGGTACACTTAGAAAATTCTACAGTCGTCGATTTTTAGGGTGTCTCTTTCAACACCTTTTTGTTAG
TAATCATTGCCAGTAGTGCCTTCATCAGTTAAGGGAGGTGTCCCAGCACAGATCATTCTCAAAAAGCGAGCAGGGA
AGAGCTAGTGGGCATGCTGAAGGCCAGCGTGGACAGCAGGTGAGGCAGGTGCTCCTCACACCCAGACCTGGGCAT
CTTCATTGAGGGAAAGAAAACAGTCATTGTGCAAAATTCTGTTAGTCAGTGATTCTTTACTTGCAAATTCAGGGG
CTTAGAAAATGAAAGCAAACACAAAACCTTGAGTGTGCTTTGGGAACCAAATGGACCTTCTGGGACAAGCTGAGC
AAGCTGTATGAACGCCACGTTTGTGAAGAGCTGAGGGTATCAGGAGGGCCGACGCTGTGTTGGCATGCGCAGTAG
GGGATGAGGGTTAGCCATAGTATTCTTTGCAAATGTGAAAGCGAGACATTATATCTTCTCTTGCTTGGTGTAACT
AATCACTGTTAATTTTCAGGAAACAGAACTCATTAAAACCTCTTAGCAAACCAGGTCTACATCCTGTTTTGTTTGC
TGAGTGAGGTTAGTGGGAGTGGTCAAATGGTACTCTTGAGGAAGAAAACCTGTCTTCTCTCCAAAAAAGG
AAAAATTATAATAATATAAATGACAAAAATAAAGAATTCTGTTTCTGGAATAAGCATTCTTATTCTTAGTTG
TAGGGACTCCTATTTTTTACCTTCCGTTACAGTGTGATTCTAAGAAATATTGTTACATTGAGATAACTTCATC
TGTATGGGGTATTTATTTGCAATGATGTCTGAGTACTGTATTTTTTCTGTGCATTACCTTAGTGTGAGAATGTTG
GTCTTTATTTTAAAGTCATATGCATGTTCTCCTGCCAAGGAACCTTTACACAGACCCAAACAAAAAATAATAAT
CAAATGCCTTCAATTTCTGAGAAAATGAGGCAGAGCATGGAAGGAATAGGAAGGAGAAATTAATTGAGATTTT
CAGGACACAGACATATGATGTGAATGCCTACAAAGCCAGTGCGCATAGGAACAGTGGGCCTGGGTAAAGAGTCAC
ATTGGTAGGACCAATAAAGAATAATAAAAAGAC

2948/6881
FIGURE 2721

MSAPSEEEYARLVMEAQPEWLRRAEVKRLSHELAEATTREKIQAAEYGLAVLEEKHQLKLQFEELEV DYEAIRSEM
EQLKEAFGQAHTNHKKVAADGESREESLIQESASKEQYYVRKVLELQTELKQLRNVLTNTQSENERLASVAQELK
EINQNVEIQRGRLRDDIKEYKFREARLLQDYSELEENISLQKQVSVLRQNQVEFEGLKHEIKRLEEET EY LNSQ
LEDAIRLKEISERQLEEALET LKTEREQKNSLRKELSHYMSINDSFYTSHLHVSLDGLKFSDDAAEPNND AEALV
NGFEHGGLAKLPLDNKTSTPKKEGLAPPSPLVSDLLSELNISEIQKLKQQLMQMEREKAGLLATLQDTQKQLEH
TRGSLSEQQEKVTRLTENLSALRRLQASKERQTALDNEKDRDSHEDGDYVEVDINGPEILACKYHVAVAEAGELR
EQLKALRSTHEAREAQAHEEKGRYEAEGQALTEKVSILLEKASRQDRELLARLEKELKKVSDVAGETQGSLSVAQD
ELVTFSEELANLYHHVCMCNNETPNRVMLDYYREGQGGAGRTSPGGRTSPEARGRRSPILLPKGLLAPEAGRADG
GTGDSSPSPGSSLPSPLSDP RPMPNIYNLIAIIRDQIKHLQA AVDRTT ELSRQRIASQELGPAVDKDK EALMEE
ILKLKSLSTKREQITTLRTVLKANKQTAEVALANLKS KYEN EKAMVTETMMKLRNELKALKEDAATFSSLRAMF
ATRCDEYITQLDEMQRQLAAA EDEKKT LNSLLRMAIQQKLALTQRLELLELDHEQTRRGRAKAAPKTKPATPSVS
HTCACASDRAEGTGLANQVFCSEKHSIYCD

2949/6881
FIGURE 2722

GCGGCCTGGGCGGCCGCACCATGGACTCGGGAACCGAGGAGTACGAGCTCAACGGCGGCCTGCCTCCGGGCACAC
CCGGCTCCCCGGACGCCTCGCCGGCCCGCTGGGGCTGGAGGCACGGGCCCATCAACGTGAACCATTACGCCAGCA
AGAAGAGCGCAGCCGAGAGCATGCTGGACATCGCGCTGCTGATGGCCAACGCGTCCCAGCTGAAGGCCGTCGTGG
AACAGGGCCCCAGCTTCGCCTTCTATGTGCCCCTGGTGGTCCTCATCTCCATCTCCCTTGTGCTGCAGATCGGCG
TGGGGGTGCTGCTCATCTTCCTTGTCAAGTACGACCTTAACAACCCGGCCAAGCACGCCAAGCTGGACTTCCTCA
ACAACCTGGCCACGGGCCTGGTGTTCATCATCGTGGTAGTCAACATCTTCATCACGGCCTTCGGGGTCCAGAAGC
CCTTGATGGACATGGCACCCCAGCAGTAGGACACCCAGGACCCTGGATGTTGCCTGCCCTGCAACTCAGCTGCCC
GACCCAGGAGTCGCCATACCTGTGAGGTGTCCACCTCCCTGCACATGGCACTACCCAGACTGCCAGAGCCCAGG
CTGGCCTCATCTGCACCATGTCCCCGGACCAGCCCTTGCTCTGACTGCGGCCAAGCACCACGCAGGAGGCCACTC
TTGTCTCTCAGCAGCTGTTCCCAGGAGGCAGCTCCCTCCTGGCACATGGGGGTGGCCACAATAGCCCAGAGGGT
CAGAACTGGACAGCTGCAGAGACCTGTGCCCAGAGAAGGGTCTCGACCCACTCAAGGACACACAGCAGGTCCGTG
GATGGGCTGGATGAGTGACCAGGGCCAGCCTCTGTCTCAGGACATTCCAGAAGGACAAGGAGATGTCTCTCCCTC
TCCCAAAGCACCAGCGTCCCTGCCTCCCGTGGGCCCTGTCCGGGTTGCCCTGGTGACCCAGCCTCTGTCCACTT
CCTAACCCAGGGACCCTGCACAGCCAGAACTGCCTTTGGCCCTACGGATGGCCACTGGCTCTGGTCTTAAGTGCC
TGGGCTTGGTGGCCATCAAGAGGGAGCCAGTCAGGCCTGTGAGGGCCGTAGACCTTGTATATACCCTGCACCAGC
AGTGACCGGGCAGAGCCCAACCCCTCCACGGGGTCCAGCACCCACTTTTCTAATCATGAATGAACAATAAAG
CCCACGCTCTTTGTCAGGC

2950/6881
FIGURE 2723

GCTGCAGCCCTCAGAAGTAAGCAAGGTTTCCTGCCGGGAGAAAAGGATTTGAAGCATTCCAGCCAAAATGACGGA
CAGAAGCCCCCTTCGAAACCGACATGCTCACCCCTGACCCGCTACGTTATGGAAAAGGGGCGTCAGGCCAAAGGGAC
TGGGGAGCTCACCCAGCTGCTGAACTCAATGCTGACGGCCATCAAAGCCATCTCCTCGGCTGTGCGCAAGGCCGG
TCTGGCCACCTGTATGGAATCGCAGGAAGCGTTAACGTGACGGGAGATGAGGTGAAGAACTGGATGTGCTATC
CAATTCCCTGGTGATCAACATGCTCCAATCCTCCTATAGTACCTGCGTCCTGGTCTCAGAAGAGAATAAGGACGC
CATCATCACCGCCAAGGAGAAGCGGGGAAATACGTGGTCTGCTTTGACCCACTGGATGGATCTTCCAATATTGA
CTGCCTGGCCTCCATCGGAACCATCTTTGCCATCTATAGAAAGACCTCAGAGGATGAGCCTTCTGAAAAGGATGC
CCTGCAGTGTGGCCGCAATATTGTGGCCGCAGGTTATGCGCTGTACGGTAGTGCAACCCTGGTGGCTCTCTCCAC
AGGGCAAGGCGTGGACCTCTTCATGCTTGACCCGGCTCTTGGTGAATTTGTCCTGGTGGAAAAGATGTCAAGAT
TAAGAAGAAAGGAAAGATTTACAGCCTGAATGAGGGCTATGCCAAGTATTTTGATGCGGCCACCACTGAATATGT
GCAGAAAAAGAAATCCCTGAGGATGGCAGTGCTCCCTATGGGGCCAGGTATGTGGGCTCCATGGTGGCTGACGT
GCACCGCACCCCTGGTCTATGGAGGAATCTTCTGTACCCAGCCAACCAGAAGAGCCCTAAGGGCAAGCTCCGGCT
CCTGTATGAATGCAATCCCGTGGCCTACATCATTGAGCAGGCAGGAGGCTTGGCGACCACGGGGACCCAGCCTGT
ACTGGACGTGAAGCCCAGGCAATTCACCAGCGAGTCCCCCTCATTCTGGGGTCACCAGAGGATGTGCAGGAATA
TCTCACCTGTGTGCAGAAAAATCAGGCAGGCAGCTAGCGAGTTTGACCCACATGCCCTCTTCTGTTTGTGTTTGC
ACCTTGCTAAGGACCCTAAATGAACGATAAACAGAGATGGTAGCTATGAGTATGCAAAGGTAAATCCACTTAA
TCACATACAGAAGAGCAACAACAACTGCTTACGACAGGTTTGGAAGCCACAGGCGATTCTATGGTCAATGTGAA
GGACTAGAAATAAAAACCCACATGTGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

2951/6881
FIGURE 2724

MTDRSPFETDMLTLTRYVMEKGRQAKGTGELTQLLNSMLTAIKAISSAVRKAGLAHLYGIAGSVNVTGDEVKKLD
VLSNSLVINMLQSSYSTCVLVSEENKDAIITAKEKRGKYVVCFDPLDGSSNIDCLASIGTIFAIYRKTSEDEPSE
KDALQCGRNIVAAGYALYGSATLVALSTGQGVDLFMLDPALGEFVLVEKDVKIKKKGKIYSLNEGYAKYFDAATT
EYVQKKKFPEDGSAPYGARYVGSMVADVHRTLVIYGGIFLYPANQKSPKGKLRLLYECNPVAYIIEQAGGLATTGT
QPVLDVKPEAIHQRVPLILGSPEDVQEYLTCVQKNQAGS

2952/6881
FIGURE 2725A

CCGAATAGTTAGCCAAGACTACCCGCAGCATCAATAGTCGGCTCCCTGGCCCAGGGCCTGGAGAGTAACTGGCCA
AGTGGGTGCTGGGCTGGTATGGGAGCCCCGGGTCCCTGGAGCACCTTGCCTGGCTGTGGCAGTCACCGGGAAGCA
GAGGCTGTCCACCTGGAGGCACAGCGGCACTCCTTGGCACTATTTTGGCCACTTCAGGTTTTATAATCTGTTGAA
ACAAAAATTGTGGGGGAACATCTTGAGTAGGTTTAGAGATGGAATGGGAAGCCTGGCAGAAGCGCTGGTCCAGTC
TTCAGGGTCACGGCTGATACAGGAGTTTAAGCGGCCGTGTGACTCCAAAGCCTAGCTTCTGCAAGCAGATGTTTT
CTTCTAGCCATGTGTGAATTGGAGGTTCCCTTGGGCTGTCCACGCCTGGTCATCGGCTGGCAGGAGGCTCTCCAGG
CACACGCAGCACACACAGCACATGCACCACACGTAGCACACACACTGCATGCAGCACACACACACCAGAGGACGC
ACCACACAGAGCACGCACAGCACACACCACACAGCGCACGCACCACACAGAGCACACGCGGCACACACAGCACAC
ACAGCGCACGCACCACGCAGAGCACACACGGCACATGCAGCATAACACCAAACAGCGCACGCACCACACAGAGC
ACACGCGGCACACGCAGCACACACACCACACAGAGCACCTGGAGCACCCACAGCACACACACCACGCAGAGTACA
CGCGGCACACACACCACACACAGCGCATGCACAACACAGAGCACACACAGCACATGCACCACACGTAGCGCGCAC
ACTGCATGCAGCACACACACCACACACAGCGCGTGCACCACACAGAGCACCTGCGGCACACACAGCACACACCGC
ACGCACCACACAGAGCACATGTGGCACACACAGTGCACGCACCACACAGCACCCGCGGCACACAGCACACGTG
GCATATGGCCTCCATGACCCTGTGTCTTGAGGGCAGGTCCTACTTTTTGCTTTGTTGTGTTGGAGCGGAATTTCT
CCCCTGGCTTCTATTGGAGTCTTAGATTATTTAAATCACTTCTCTGTTAATTGTGCCTGGAATTAACCTGTTAG
ATTTACTTCTTAGCAGTTAGTTGCTCAGTATGGGTTTCTACACTATTAAAGCAACCTAGCGGTAGTACACAAGGT
TTTGTTAGGATAGCTGTGAGATTTTTTTTCTCTAACAATCATATTATTTCTGTGTCTGCTCCGTTTTTCTTCAG
TGTTTTATATGATATTAATAGGGGATGTCTAATTTTGTATCTTTAAAAAACTTTATCAAATCTGAAGCATTTTT
CGTGTATAGCTTCTCTATAATTTTTCATGGATATTGAATATTTGGTGTGATATTCTTCACTCAGTTTTGAACA
TTGAGTTTTCTCTAATGTTTTGTGCTTATGAAAACCATTTCTGTGTAACGTGTTTAAAGTAGCTTATTTATCTGA
AAGAACTCTAATAATGAAAAGAAATAAAAAGTTTTTCAGAAGCATGATCATATTCTTCCAGAAGAGTCAGGAACC
ATGTGTGCCAGGAAAGGGAAACGGGACTGAGCGTCTCGTAGCGAAACGCCTGCTGCAGACTTGACGCGGCTCCCC
TCCAGGACGGGCTGGCGGCACACAGACTGTGCACTTACCTCACTGCCGGCCTCATAATAGTAATCAGTGTAATG
GTGTTTCTCTTTGTTTTGTTATTTCTGTTGGCGTACGTGTTAAAGTGTGTGAAACTACAAGGCCAGCTAGTCCCTT
CATCATTTCCCTTTGGTGCAGGTTTTGGAGCAGCACACCACAGGGCACACCCCTCGCCACTCTTTATGGGGAATTTTT
GCCCAGGCAGGCAAAGGAGTCATCTTGGTCACAAGTCTCCCTTTTCCCCCTCCCCAGCATCTTCGATCCTGTCCC
CACCCCTCCAGATGCATCCAGGGGTTGCAAGCCTGCCCCCAACCAGTCCCCGTGAGGAACAGTGCGCGGGATTG
TCCCAGGGCCCCCTTCCAGCAGGGGGACCTCCTGACTTGAGAGTCCCCAAAGCCTTCCCAGGGCAGCTAGAATCTG
CCTGGAGAGAAGGGATCTTGTCCCCAAGGGTTAGAGGCAGTAAACTAATAGCAAGGACAGCTGCCTTTAGCAATT
GTGTGTGTGCGATGGCCGGTCCCTGCATTTTTCTTTCAGTTCCAAAGCTGCACTGGCATTTTTATGGTCATCTCTG
GAGTCCCTTTGATTCAAGAAATTATACCTCTAGGATGCCAACTAAACGAACAACAACAGAACTCCACCTGTTT
GCTAGCATAACAGGCGTGAAGGCGGCAGTGTGCGCGGCTCCTTCCGCGGAAGCCCAGTGTGTGCAGACAGCACG
GGGTGGCGCTGCTCTCAGGTGCTCTGGCTGCTTGGGTTCTTGGCATGCTGATTTGTGACTTAAGATTAATAAC
ATTGCCAGGGATTACCACGCAACCACGACCTTGGCTGCTCCTCCAGAAACCGTGGTTCGCGCTCACTGCAGATTGG
AGAACAGGTGCATCTCGTAGCTCTTCTTTGGAAACAAAAGAAGCCACCAGCTGAGGAAGATGCTCACCAGTCCAC
GTCCCTTTATTTATGCCCAGCGATGACCTCTCTAACAAGGTGCAGAGCTTAGCTGATTGGTGAACAGTGATTGGT
TTCCGCTTTGTTACAGTGGCTAAGTTCTGCACCTGAAGAGAAGGTGAGATGGGGACAGTTAAGTTGGAGCCGCT
GGGGCAGAGGCCGTTGCTGACGGGCCGGCCGCTGCTGCACAGTCAGCTTGGGTGCGGAGCGCGATCCTGGAGGAT
GAGAGACCACTTGACCCCAAGGATGCACTGTCTCCTGCTGGGAATGCTAGCCATGTACTGAGTCCCTTAAGTCTGT
CCACAGAAACATGCACTAATCGGACATCTGTCTGAAAGGTCAAATGTATTGAAAGTTGCAAAAATCTTCTTACA
AAAACTAAAACCAAATGCATCACCTAAGTCGTGTGAAATCATGTGGTAGCTCATGGCTGTGAGCGGGGCGGGGC
GGGGCTTTTCGGAGGAGCTCCTGTTGTTCTGGGCGCGGTGAACCTCTCTTGTATTGTGAGTCCAGGCCTTCGCGT
CTCCTGCGCCAGCAGACGGTGCCACGGAGCTCCAGCTGAGGCGCTGCTTCTCCGGGCTGTGATTGGACCCGC
CCTCCGGTGCCTACTGAGCTGATATCAGTTCTCATTTTACACACTGGCTCAGTTCAGCAGGAACAGGAGTCGAGC
CCTTGAGCAAAAAGCCTTCGTGTCTGTAAGTGCCGAGGCTCAGGAGAGCTGGGGCTCCCACTCGCGGCAGACAG
GCCCAGTCCACCTGCGTCCACCCCGGCCCGGCGGCAGCACGGTGCCAGTCATCTGCATGTGCTCCTGCGGCGT
GGGGGTTTGTAGACTTGGAAAACCTGTTGGCAGAAAGTTAAGAGCTCCAGGCCTGAAGGCAGGACACAGTGCC
AGCAGGGGGCGGTTTTGCCCCCATGTGTAAGGGAGGCAGGGCCAGCTCTCCACGGCGAGGTGAGCTGAGACTTT

2953/6881

FIGURE 2725B

CTGAGAACAGTTAGAGTGGGTGCGTGTCTGAAATGGGTACTCCTAGCAGCTATTGTGTACGCAAAGCCTGAGTAC
AGCCTGCTGGTGTGTCATGGCCACGTGTGAGCAGGCCAGCGTCACACGGCTCGCTGTGACCCGTCCCGGAGACTGAA
ATGGGCCTGGGTCTTCTCCTTGTCTGTGATTAAAGTCCTCTCTTGAAAGTGGAGAGCAAAGGCACACAGAGGTG
CGCGCTCACAAGAATTCCTCCCGGTGACTGGGTAATCAATGTTACTGCTGTTTCCTTTGCAGGAAAGACCACAGC
AAGATTCTTTCATTTCGTCTCCTCCTAGCCTGGGGGACCAGGCTCGAACTGACCCCTGGACATCAAAGGAGGGATTA
TGTGGCTGCTAAAGCCATCGGCCACAGCCCTGTTTACATCTTGGTGCTTCTCTTTCCCAGAGGCTGGTCCCAGC
CAGGCACACACAAAAGGCAGATTCTCGTAAACGCAGCCTCCCTCCCTGGAGGCTGCCTCCTGCCCTGGATCTGGA
GTGGAGCTGCTCTGAGATTTTGAGTTCTTCTGCAGAGATGATTAAATATATCCAAGAGACATTGGAAAACCTGCT
GAACATTTTACATTGGTCTGCTCAGCACATGGCTGGATGCGGATATTTCTATAATTCCAGAAAGTCACACAGCTC
CTCTGTATGAGACCAGTGGGCGCCATTTAAAGAAGCAGGATGAGAATCTAAGATATATTATTAATAAATGTAATG
GATTTTTTTTTTGT

2954/6881
FIGURE 2726

GGCGGCCTCAGCAAAAAAGAAGAAGAAGGGGAAGACTATCTCCCTAACAGACTTTCTGGCTGAGGATGGGGG
TACTGGTGGAGGAAGGACCTATGTTTCCAAACCAGTCAGCTGAGCTGATGAAACGGATGACCTGGAAGGAGATGT
TTCGACAACCTTGGCACAGTAACGATGACGATGTGTATAGGGCGTCTCCAATTGACCGTTCCATCCTTCCCCTGC
TCCACGGGCTGCTCGGGAACCCAATATCGACCGGAGCCATCTTCCCAAATCGCCACCCTACACTGCTTTTCTAGG
AAACCTACCCCTATGATGTTACAGAAGAGTCAATTAAGGAATTCTTTTCGAGGATTAAATATCAGTGCAGTGCGTTT
ACCATGTGAACCCAGCAATCCAGTGAGGTTGAAAGGTTTTTGGTTATGCTGAATTTGAGGACCTGGATTCCCTGCT
TAGTGCCCTGAGTCTCAAGGAAGAGTCTCTAGGTAACAGGAGAATTCGAGTGGACGTTGCTGATCAAGCACAGGA
TAAAGACAGGGATGATTGTTCTTTTGGCCGTGATAGAAATCGGGATTCTGACAAAACAGGTACAGACTGGAGGGC
TCGTCCTGCTACAGACAGCTTTGATGACTACCCACCTAGAAGAGGTGATGATAGCTTTGGAGACAAGTATCGAGA
TCGTTATGATTCAGACCGGTATCGGGATGGGTATCGGGATGGGTATCGGGATGGCCAACGCCGGGATATGGATCC
ATATGGTGGCCGGGATCGCTATGATGACCGAGGCAGCAGAGACTATGATAGAGGCTATGATTCCCGGATAGGCAG
TGGCAGAAGAGCATTGTCAGTGGGTATCGCAGGGATGATGTCTCAGAGGAGGCGGGGACCACTATGAAGACCGA
TATGACAGACGGGATGATCGGTCTTGGAGCTCCAGAGATGATTACTCTCTGGATGATTATAGGCGTGATGGTAGA
GGTCCCCCCCCAAAGACCCAAACTGAATCTAAACCCTCGGAGTACTCCTAAGGAAGATGATTCTCTGCTAGTACC
TCCCAGTCCACTCGAGCTGCTTCTATCTTTGGAGGGGCAAAGCCCGTTGACACAGCTGCTAGAGAAAGAGAAGTA
GAAGAACGGCTACAGAAGGAACAAGAGAAGTTGCAGCATCAGCTGGATGAGCCAAAACCTAGAACGACGGCCTCCG
GAGAGACACCCAAGCTGGCGAAGTGAAGAACTCAGGAACGGGAACGGTCGAGGACAGGAAGTGAGTCATCACAG
ACTGGGACCTCCACCACATCTGGCAGAAGTAAGTCAGCCCAGGATGCACGAAGGAGAGAGAATGAGAAGTCTCTA
GAAAATGAAACACTCAATAAGGAGGAAGATTGCCACTCTCCAATTCTAAACCTCCCAAACCTGATCAGCCCCTA
AAGGTAATGCCAGCCCCCTCCACCAAGGAGAATGCTTGGGTGAAGCGAAGTTCTAACCCTCCTGCTCGATCTCAG
AGCTCAGACACAGAGCAGCAATCCCCTACAAGTGGTGAGGGAAAAGTAGCTCCAGCTCAACCATCTGAGGAAGGA
CCAGCAAGGAAAAGATGAAAACAAAGTAGATGGGATGAATGTCCCAAAAGGCCAAACTGGGAACCTTAGCCGTGGT
CCAGGAGATGGAGGGAACAAAGACCACTGGAAGGAGTCAGATAGGAAAAGATGGCAAAAAGGATCAAGACTCCAGA
TCTGCACCTGAGCCAAAGAAACCTGAGGAAAATCCAGCTTCCAAGTTCAGTTCTGCAAGCAAGTATGCTGCTCTC
TCTGTTGATGGTGAAGATGAAAATGAGGGAGAAGATTATGCCGAATAG

2955/6881
FIGURE 2727

CCTTTGGGAAGCTGCCCCGCCGAGTCTCCGAGATTTGTCCCTGGTGGTCCC GCGGACCCCTCGTCCCTCCGCAGTC
TCCGGCTGGCAGCGATGGAGGGCGCTGGGGAGAACGCCCCGGAGTCCAGCTCCTCTGCCCCCTGGGTCCGAAGAGT
CTGCCAGGGATCCACAGGTGCCGCCTCCGGAGGAAGAATCGGGGGACTGCGCCCGGTCCCCTGGAGGCGGTCCCCA
AGAAACTCTGTGGGTATTTAAGTAAGTTCGGCGGCAAAGGGCCCCATCCGGGGCTGGAAATCCCCTGGTTCTTCT
ACGACGAAAGGAAATGTCAGCTGTATTACTCGCGGACCGCTCAGGATGCCAATCCCCTGGACAGCATCGACCTCT
CCAGTGCAGTGTTGACTGTAAGGCGGACGCTGAGGAGGGGATCTTCGAAATCAAGACTCCCAGCCGGGTTATTA
CCCTGAAGGCCGCCACCAAGCAAGCGATGCTGTACTGGCTGCAGCAGCTGCAGATGAAGCGCTGGGAATTCCACA
ACAGCCCCGCCGGCACCTCCTGCCACCCCTGATGCCGCCCTGGCTGGGAATGGGCCCCGTCTGCACCTCGAGCTAG
GGCAAGAAGAGGCAGAGCTGGAGGAGTTCCTGTGCCCTGTGAAAACACCCCTGGGCTAGTGGGCGTGGCAGCTG
CCTTGACGCCCTTCCCTGCCCTTCAGAATATTTCCCTCAAGCACCTGGGGACTGAAATACAGAACACAATGCACA
ACATCCGTGGCAACAAGCAGGCCCAGGGAACAGGCCATGAACCTCCAGGGGAAGATTCTCCACAGAGTGGGGAGC
CTCAGAGGGAGGAGCAGCCCTTGGCCTCTGACGCCAGCACCCAGGGAGAGAGCCAGAGGATTCTCCAAAGCCTG
CACCCAAGCCTTCTCTGACCATCAGTTTCGCTCAGAAAGCCAAGCGCCAGAACAACACCTTCCCATTCTTTCTG
AAGGAATCACACGGAACCGAACTGCCCAGGAGAAAGTGGCAGCCTTGGAGCAACAGGTTCTGATGCTCACCAAGG
AGTTAAAGTCTCAGAAGGAGCTAGTGAAGATCCTGCACAAGGCACCTGGAGGCCGCCAGCAGGAGAAGCGGGCGT
CCAGCGCATACCTGGCGGCGGCTGAGGACAAGGACCGGCTGGAGCTGGTGCGGCACAAAGTGCGGCAGATCGCGG
AGCTGGGCCGCGGGTGGAGGCCCTGGAGCAGGAGCGGGAGAGCCTGGCGCACACAGCGAGCCTGCGGGAGCAGC
AGGTGCAGGAGCTACAGCAGCACGTGCAGCTGCTTATGGACAAGAACCACGCCAAGCAGCAGGTATCTGCAAGC
TCTCTGAGAAGGTCACCCAGGACTTCACGCACCCCTGACCAGTCTCCTTTGCGCCCCGACGCTGCCAACAGGG
ACTTCTGAGCCAGCAGGGGAAGATAGAGCACCTGAAGGATGACATGGAAGCTTACCGGACCCAGAAGTGTCTCC
TCAACTCCGAGATCCACCAGGTACAAAGATCTGGAGAAAGGTGGCTGAGAAGGAGAAGGCCCTTCTGACGAAGG
TGCGCCTACCTCCAAGCCAGAACTGCCAGGTGGAAGCAAGTACCTGGCCGGTCTGAGAAGGCTGCAGGAGGCC
CTGGGGGACGAAGCCAGCGAGTGCTCAGAGCTGCTGAGGCAGCTTGTCCAGGAGGCAGTGCAGTGGGAAGCTGGG
GAGGCCTCATCTGACAGCATCGAGCTGAGCCCCATCAGTAAGTATGATGAGTACGGCTTCTGACGGTGGCCGAC
TATGAGGTGGAAGACCTGAAGCTGCTGGCCAAGATCCAGGCATTGGAGTCACGATCCCACCACCTGCTGGGCCTC
GAGGCTGTGGATCGGCCGCTGAGGGAGCGCTGGGCTGCCCTGGGCGATCTTGTGCCCTCAGCCGAGCTCAAGCAG
CTACTGCGGGCAGGAGTACCCCGTGAACACCGGCCTCGTGTCTGGAGGTGGCTGGTCCACCTCCGTGTCCAGCAC
CTGCACACTCCAGGCTGCTACCAGGAAGTCTGAGCCGGGGCCAGGCCCGGAGCACCTGCTGCCCGCCAGATT
GAGCTGGACCTGAACCGGACCTTCCCCAACAACAACACTTCACCTGCCCCACCTCCAGCTTCCCCGACAAGCTC
CGCCGGGTGCTGCTGGCCTTCTCCTGGCAGAACCCACCATCGGCTACTGCCAGGGCCTGAACAGGCTGGCGGCC
ATTGCCCTGCTGGTCTTAGAGGAGGAGGAGAGCGCCTTCTGGTGCTGGTGGCCATTGTGGAGACCATCATGCC
GCTGATTACTACTGCAACACGCTGACGGCATCCAGGTGGACCAGCGGGTGCTCCAGGACCTGCTCTCGGAGAAG
CTGCCCAGGCTGATGGCCATCTGGGGCAGCACACGTGGATCTCTCCCTCGTCACCTTCAACTGGTTCTCTGTG
GTCTTTGCGGACAGTCTCATTAGCAACATCCTCCTTCGGGTCTGGGATGCCTTCTGTACGAGGGGACGAAGTAC
AACGAGAAGGAGATCTTGAGGCTACAGAATGGCCTGGAAATCTACCAGTACCTGCGCTTCTTACCAAGACCATC
TCCAACAGCCGGAAGCTGATGAACATCGCCTTCAATGACATGAACCCCTTCCGCATGAAACAGCTGCGGCAGCTG
CGCATGGTCCACCGGGAGCGGCTGGAGGCTGAGCTGCGGGAGCTGGAGCAGCTTAAGGCAGAGTACCTGGAGAGG
CGGGCATCCCGGCGCAGAGCTGTGTCCGAGGGCTGTGCCAGCGAGGACGAGGTGGAGGGGGAAGCCTGACTTGGC
CACCTCCCCCTCCCCACAGCCTTCTCACCCTTGGCTGGCAGACCCACTGGAGGTCAGGCACGGACAGTGGCCCA
GCCCTGGGTGTCCCATCACCATGTGACCTTGGACATGTCCCTTCCCCTCTCTGGCCCTCAGTTTCCCCACTGGGA
CATTGTGTGCTGCAAAGCCATTGGTTGGGCTACTTCTTCATAGGCACCTTACTTACCAGGGATGCCACCCTTTG
TCACCTCTTCCACAGAGCACTTTGGCATGTAAACAAGCAAGAGCACTGCCTCTATAGGGTAACCTGGAACATTCT
CTAGGTTATATCAATATAAAACAATGTAAATGGTGG

2956/6881
FIGURE 2728

CACAGGGGCACTGACATCTTTGCTGGACTCTTTTAATCCTCATAAACCAGGCTGCTGGCACTTGAAATTTGAGA
AGGGCAATCAGTCTGGCCTCCTGCCTTTCTGGCCTGCAGGCCAGCCTGGACAAACAATTTAGGTGGAGCTCCTG
GAGGCTGGAAGCAGAGAGGAGGTACCTCACCATCCTCTCCTGCCAGCTGTTGCAGACTCTGCCTGGGGAACTGAT
TAAGGGTGAGCAGAGGCATTTATCTCCATGTTAACAAGCAGATGTCATGGCACCCCCAGTACCGGAGCTCCAAGT
TCCGTCATGTCTTTGGCAAACCAGCCAGCAAGGAGAACTGCTACGACTCCGTGCCATACCCGCAGCGTTTCACG
ACAACCACTTCTGTGCCGTGAACCCCCACTTCATTGCAGTTGTGACTGAGTGTGCTGGTGGAGGGGCCCTTCCTCG
TCATCCCCCTGCACCAGACAGGGAAGTTGGACCCCCACTACCCAAAAGTCTGCGGGCACAGAGGCAACGTTTTTG
ATGTCAAAGTGGAACCCTTTTGATGATTTTGAGATCGCCTCCTGTTCTGAAGATGCCACAATTAAGATCTGGAGCA
TCCCCAAGCAGCTGCTGACCAGGAACCTCACGGCCTACAGGAAGGAACCTCGTGGGCCACGCGCGCAGAGTAGGCC
TGGTGGAGTGCGACCCCCACGGCCGCCAACATCCTCTTCAGTGCTGGCTATGACTACAAGGTGATGATCTGGAACC
TGGATACAAAGGAGTCTGTTCATCACAAGCCCCATGAGTACGATTAGCTGTACCAAGATGTGATCCTCTCCATGT
CCTTCAACACCAACGGCAGCCTGTTGGCCACCACCTGCAAAGACCGCAAGATTCGGGTTATTGACCCCCGAGCAG
GGACCGTCTCTCAGGAGGCCAGCTACAAAGGGCACCGGGCCAGCAAAGTGCTGTTTCTGGGGAACCTGAAGAAGC
TGATGTCCACAGGCACATCCCGATGGAACAACCGGCAGGTGGCCTTGTGGGACCAGGATAACCTCTCTGTGCCTC
TGATGGAGGAGGACCTGGACGGCTCCTCGGGCGTGCTGTTTCCCTTCTATGACGCGGACACCAGCATGCTCTACG
TGGTGGGGAAGGGAGATGGCAACATCCGCTACTACGAGGTGAGCGCCGACAAGCCTCACCTGAGCTACCTGACTG
AGTACCGCTCCTATAACCCACAGAAGGGGATCGGTGTTCATGCCAAAGAGAGGACTCGACGTGTCCTCCTGCGAGA
TCTTCCGCTTCTACAAGCTGATCACAACCAAAAGCCTCATCGAGCCCATCTCCATGATTGTGCCCCGGCAGTCAG
AATCCTACCAAGAGGACATATACCCTCCAACAGCAGGGGCCAGCCCTCCCTGACGGCCCAGGAGTGGCTCAGCG
GGATGAATCGAGACCCAATCCTGGTGTCCCTTAGGCCTGGCTCTGAGCTGCTGAGACCCCACCCACTGCCTGCAG
AGAGACCTATCTTCAATTCATGGCCCCAGCCTCACCCCGGCTCTTGAATCAGACAGAAAAGCTGGCTGCAGAAG
ATGGCTGGAGGTCTTCTCCCTGTTGGAGGAGAAGATGCCAAGGTGGGCAGCAGAACACAGGCTGGAGGAGAAGA
AAACCTGGCTGACAAATGGCTTTGACGTTTTTGAATGCCCCCACCAAAGACAGAGAATGAGTTGCTGCAGATGT
TCTACCGGCAACAGGAGGAGATCCGAAGGCTCCGGGAGCTGTTGACCCAGCGAGAGGTCCAGGCCAAACAGTTGG
AACTGGAGATCAAAAACCTTGCGGATGGGCTCAGAGCAGCTCTGAGCAGAGACCTCTGCCCTCCTCACCTCAGGG
ACACCACTCGGCTCCATGGGGAGGTTTAGAACCACCAACCAAGTCCCTCAAGGACAACCACTATTTCTATATTT
TTTACCAGAAAACAAAACCTCTCCATCGCTGAAAGAGATTCCAGTGGGACATGGTGCCGTTTTTCTGTTTGCCTTC
TTGCAACAACAGTTTCTGAATTGACTTTGTTTTTCTGATGATGCCTTCTGTTGAATTCTGTTATTAAGGGCCCATG
ATGAGCTGTAACCTTCTCAAGAGGAAAGAACACAGTAGAAAACCTAGAGCTGGAAGGATCTAGGTTGACCTGTCTGT
GATTTTCAAACCTGTGGTCCAGAGAATAGGGGAAGACTGGGCCAGACGCAGTGGCTCATGCCTGTAATCCCAGCAC
TCTGGGAGGCTGAGGTGGGCGGATTGCTTGAGGTGCGGAGTTTGAAACCAGTCTCACCAGGCGCAGTGGCTCACG
CCTGTAATTCCAGCATGTTGGGAGGCCGAGGCTGGTGGATCACGAGGTCAGCAGTTCGAGACCAGCCTGACCAAC
ATGGTGAAACCCCATCTCTACTAAAAA

2957/6881
FIGURE 2729

MSWHPQYRSSKFRHVFGKPAKENCYDSVPITRSVHDNHFCVNPHFIAVVTECAGGGAFVLIPLHQTGKLDPHY
PKVCGHRGNVLDVKWNPFDDEIASCSEDATIKIWSIPKQLLTRNLTAIRKELVGHARRVGLVEWHPTAANILFS
AGYDYKVMIWNLDTKESVITSPMSTISCHQDVILSMSFNTNGSLLATTCKDRKIRVIDPRAGTVLQEASYKGHRA
SKVLFLGNLKKLMSTGTSRWNNRQVALWDQDNLSVPLMEEDLDGSSGVLFPPFYDADTSMLYVVGKGDGNIRYYEV
SADKPHLSYLTEYRSYNPQKGIGVMPKRGDLVSSCEIFRFYKLITTKSLIEPISMIVPRQSESYQEDIYPPTAGA
QPSLTAQEWLSGMNRDPILVSLRPGSELLRPHPLPAERP IFNSMAPASPRLLNQTEKLAAEDGWRSSSLLEEKMP
RWAAEHRLEEKKTWLTNGFDVFECPPPKTENELLQMFYRQQEEIRRLRELLTQREVQAKQLELEIKNLRMGSEQL

2958/6881
FIGURE 2730

GTGGAGATGAATGGCGGGCGCGGCGACCGGGAGCCGGACCCCTGGGAGGTCGGAGCTTGTCGAGGGATGCGGCTG
GCGCTGCCCCGGAGCATGGCGA~~CCG~~CGTGGCTGAGCTCTTCTGTGCGCGCTGCCGCCGCTGCGTGTGCGCGCTTTG
CCCGGTGCTGGGCGCGCACCGTGGCCACCCTGTGGGCCTGGCGCTGGAGGCAGCGGTGCACGTGCAGAACTCAG
CCAAGAATGTTTAAAGCAGCTGGCAATCAAGAAGCAGCAGCACATTGACAACATAAACCAGATAGAAGATGCCAC
CGAGAAGCTCAAGGCTAATGCAGAGTCAAGTAAAACCTGGCTGAAGGGGAAAATTCAGTGAAGTCAAGTACTACT
TGACGAAGAGGAAGCGCTGGCCAAGAAATTCATTGATAAAAAACACGCAGCTTACCCCTCCAGGTGTACAGGGAACA
AGCTGACTCTTGACAGAGAGCAACTTGACATCATGAATGATCTCTCCAACAGGGTCTGGAGTATCAGCCAGGAGCC
CGATCCTGTCCAGAGGCTTCAGGCATACACGGCCACCGAGCAGGAGATGCAGCAGCAGATGAGCCTCGGGGAGCT
GTGCCATCCCGTGCCCCCTCTCTTTTGAGCCCGTCAAGAGCTTCTTTAAGGGCCTCGTGGAAGCCGTGGAGAGTAC
ATTACAGACGCCATTGGACATTCGCCTTAAGGAAAGCATAAACTGCCAGCTCTCAGACCCCTCCAGCACCAAGCC
AGGTACCTTGTGAAAAACCAGCCCCCTACCAGAGCGATCGCTATTGCTGAAATACGCGCGCACGCCACGCTGGA
TCCTGACACGATGCACGCGCGCCTGCGCCTGTCCGCCGATCGCCTGACGGTGCCTGCGGCTGCTGGGCAGCCT
GGGGCCCCGTGCCCCGTGCTGCGGTTCGACGCGCTCTGGCAAGTGCTGGCTCGTGACTGCTTCGCCACCGGCCGCCA
CTACTGGGAGGTTGACGTGCAGGAGGCGGGCGCCGGCTGGTGGGTGGGCGCGGCCTACGCCTCCCTTCGGCGCCG
CGGGGCCCTCGGCCCGCGCCCGCCTGGGCTGCAACCGCCAGTCCTGGTGCCCTCAAGCGCTACGACCTTGAGTACTG
GGCCTTCCACGACGCGCCAGCGCAGCCGCCTGCGGCCCCGCGACGACCTCGACCGGCTCGGCGTCTTCCTGGACTA
CGAGGCCGGCGTCCTCGCCTTCTACGACGTGACGGGCGGCATGAGCCACCTGCATACCTTCCGCGCCACGTTCCA
GGAGCCGCTCTACCCGGCCCTGCGGCTCTGGGAGGGGGCCATCAGCATCCCCCGGCTGCCCTAGGGGCCAGGACC
GGCGTGACAGCCTCCAGACTTGAATCTGTAGACATTTCTTTATTGATATGGCAAATTGCTTGCAGATATTTTAA
ATGACAGCAATTTCTAATATTTGGTTTAATAAAATGTGAATAATGTCCCTTTT

2959/6881
FIGURE 2731

MAGAATGSRTTPGRSELVEGCGWRCPEHGDRVAELFCRRRCRCVCALCPVLGAHRGHPVGLALEAAVHVQKLSQEC
LKQLAIKKQQHIDNITQIEDATEKLNANAESSKTWLKGKFTELRLLLDDEEEALAKKFIDKNTQLTLQVYREQADS
CREQLDIMNDLSNRVWSISQEPDPVQRLQAYTATEQEMQQQMSLGELCHPVPLSFEPVKSFFKGLVEAVESTLQT
PLDIRLKESINCQLSDPSSTKPGTLLKTSPSPERSLLLKYARTPTLDPDTMHARLRLSADRLTVRCGLLGSLGPV
PVLRFDALWQVLARDCFATGRHYWEVDVQEAGAGWWVGAAYASLRRRGASAAARLGCNRQSWCLKRYDLEYWAFH
DGQRSRLRPRDDLDRLGVFLDYEAGVLAFYDVTGGMSHLHTFRATFQEPFLYPALRLWEGAISIPRLP

2960/6881
FIGURE 2732

GTCGACGCGGCCGCGCTCCGCTCCCGTGAGTAACTTGGCTCCGGGGGCTCCGCTCGCCTGCCCGCACGCCGCCG
CCACCCAGGACCGCGCCGCCGGCCTCCGCCGCTAGCAAACCTTCCGACGGCCCTCGCTGCGCAAGCCGGGACGC
CTCTCCCCCTCCGCCCCCGCCGCGGAAAAGTTAAGTTTGAAGAGGGGGGAAGAGGGGAACATGGACATGAAGAGG
AGGATCCACCTGGAGCTGAGGAACCCGACCCCGGCAGCTGTTTCGAGAACCTTGTCTTGGACAATTGCAAATCAAAAT
GATGGAAAAATTGAGGGCTTAACAGCTGAATTTGTGAACCTTAGAGTTCCTCAGTTTAAATAAATGTAGGCTTGATC
TCAGTTTCAAATCTCCCCAAGCTGCCTAAATTGAAAAAGCTTGAACCTCAGTGAAAATAGAATCTTTGGAGGTCTG
GACATGTTAGCTGAAAACTTCCAAATCTCACACATCTAACTTAAAGTGGAATAAACTGAAAGATATCAGCACC
TTGGAACCTTTGAAAAAGTTAGAATGTCTGAAAAGCCTGGACCTCTTTAACTGTGAGGTTACCAACCTGAATGAC
TACCGAGAGAGTGTCTTCAAGCTCCTGCCCCAGCTTACCTACTTGGATGGCTATGACCGAGAGGACCAGGAAGCA
CCTGACTCAGATGCCGAGGTGGATGGTGTGGATGAAGAGGAGGAGGACGAAGAAGGAGAAGATGAGGAAGACGAG
GACGATGAGGATGGTGAAGAAGAGGAGTTTGATGAAGAAGATGATGAAGATGAAGATGTAGAAGGGGATGAGGAC
GACGATGAAGTCAGTGAGGAGGAAGAAGAATTTGGACTTGATGAAGAAGATGAAGATGAGGATGAGGATGAAGAG
GAGGAAGAAGGTGGGAAAGGTGAAAAGAGGAAGAGAGAAACAGATGATGAAGGAGAAGATGATTAAGACCCCA
TGACCTGCAGAAACAGAACTGTTTCAGTATTGGTTGGACTGCTCATGGATTTTGTAGCTGTTTAAAAAAAAAAAAA
AGGTAGCTGTGATACAAACCCAGGACACCCACCCACCCAAAGAGCCAAAGAATAGTTCCTGTGACATTCCGCCT
TCCTTCCATGTAGTCCCTCTTGGTAATCTACCACCAAGCTTGTGGACTTCACCCCAACAAAATTGTAAGCGTTGT
TAGGTTTTTGTGTAAGATTCTTGCTGTAGCGTGGATAGCTGTGATTGGTGAGTCAACCGTCTGTGGCTACCAGTT
ACACTGAGATTGTAACAGCATTTTTTACTTTCTGTACAACAAAAAGCTTTGTAAATAAAATCTTAACATTTTGGG
TCTGTTTTTTCATGCTTTGCTTTTTTAATTATTATTATTATTTTTTTTACATTAGGACATTTTATGTGACAACCTGC
CAAAAAAGTATTTTTTAAGAATTTAAGCGAAATAAACAGTTACTCTTTGGC

2962/6881
FIGURE 2734

CCTCGGTTCCGCGGCGCACCGGAGGGCAGC**ATG**TCGCGGCGGCGGCACAGCGACGAGAACGACGGTGGGCAGCCT
CACAAAAGGAGAAAGACCTCTGATGCAAATGAACTGAAGATCATTTGGAATCTTTAATATGTAAAGTAGGAGAA
AAGAGTGCCTGCTCTTTGGAGAGCAACCTAGAAGGCTTGGCTGGTGTGTTTTGGAAGCTGATCTTCCTAACTACAAG
AGCAAGATCTTAAGGCTTCTTTGTACAGTTGCACGCCTATTACCTGAGAAGCTGACAATTTATACAACATTAGTT
GGACTACTGAATGCCAGGAATTACAATTTTGGTGGAGAATTTGTAGAAGCCATGATTTCGTCAACTTAAAGAATCA
TTGAAAGCAAACAATTATAATGAAGCCGTGATTTGGTCCGTTTTTTATCTGATCTTGTGAATTGTCATGTGATT
GCCGCCCCATCAATGGTTGCTATGTTTGAATAATTTGTAAAGCGTAACCTCAGGAAGAAGATGTACCTCAGGTGCGA
CGAGATTGGTATGTGTATGCATTTCTGTCTATCTTTGCCCTGGGTTGGAAAGGAGTTGTACGAAAAGAAAGATGCA
GAGATGGACCGCATCTTTGCCAACACTGAAAGCTATCTTAAAGACGCCAAAAGACTCATGTACCCATGTTACAG
GTATGGACTGCTGATAAACACATCCACAAGAAGAGTATTTAGATTGCCTGTGGGCCCAGATTTCAGAAATTGAAA
AAGGATCGCTGGCAGGAACGGCACATCCTAAGACCTTATCTTGCCTTTGACAGCATCCTGTGTGAAGCACTGCAG
CACAATCTGCCTCCTTTTACACCACCTCCTCACACTGAAGATTCAGTGTACCCAATGCCAAGGGTCATCTTCAGA
ATGTTTGATTACACAGATGATCCCAGGGTCTGTCTATGCCAGGGAGTCATTCAGTGGAAAGATTTGTAATAGAA
GAGAATCTTCACTGCATCATTAAAGTCCCCTGGAAGGAAAGGAAGACTTGTGCTGCACAGTTAGTGAGCTATCCA
GGGAAGAACAAGATCCCCTTGAACCTACCACATAGTTGAGGTGATCTTTGCAGAGCTGTTTCAACTTCCAGCACCC
CCTCACATTGATGTGATGTACACAACACTCCTCATTGAAGTGTGCAAACTTCAACCTGGCTCTCTACCCCAAGTT
CTTGACAGGCAACTGAAATGCTATACATGCGTTTGGACACAATGAACACTACCTGTGTAGACAGGTTTATTAAT
TGGTTTTCTCATCATCTAAGTAACTTCCAGTTCGTTGGAGCTGGGAAGATTGGTCAGATTGTCTTAGTCAAGAT
CCTGAAAGTCCCAAACCGAAGTTTGTAAAGAGAAGTTCTAGAAAAATGTATGAGGTTGTCTTACCATCAGCGTATA
TTAGATATTGTTCCCTCCTACCTTCTCAGCTCTGTGTCTGCAAAACCAACCTGCATTTACAAGTATGGAGATGAA
AGTAGCAATTCTCTTCCCTGGACATTCTGTTGCCCTCTGTTTAGCTGTTGCCTTTAAAAGTAAGGCAACCAATGAT
GAAATCTTCAGCATTCTGAAAGATGTACCAATCCTAACAGGATGATGACGACGATGAAGGATTTCAGTTTTAAC
CCATTGAAAATAGAAGTCTTTGTACAGACTCTGTACACTTGGCAGCCAAATCATTACGCCACTCCTTCAGTGCT
CTTGCAAAAGTTTCATGAAGTCTTCAAACCCCTAGCTGAAAGTGATGAAAGGAAAGTTACATGTGCTAAGAGTTATG
TTTGAGGTCTGGAGGAACCATCCACAGATGATTGCTGTACTAGTGGATAAGATGATTTCGTACACAAATAGTTGAT
TGTGCTGCCGTAGCAAATTGGATCTTCTCTTCAGAACTATCTCGTGACTTTACCAGATTGTTTGTGTTGGGAAATT
TTGCACTCTACAATTCGTAAGATGAACAAACATGTCCTGAAGATCCAGAAAGAGCTGGAAGAAGCTAAAGAGAAA
CTTGCTAGGCAACACAAACGGCGAAGTGATGATGACGACAGAAGCAGTGACAGGAAAGACGGGGTTCTTGAGGAA
CAAATAGAACGACTTCAGGAAAAAGTGGAATCTGCTCAGAGTGAACAAAAGAATCTTTTCCTCGTTATATTTTCAG
CGGTTTATCATGATCTTGACCGAGCACCTAGTACGATGCGAAACTGATGGGACCAGTGTATTAACACCATGGTAT
AAGAACTGTATAGAGAGGCTGCAGCAGATCTTCCTACAGCATCACCATAATCCAGCAGTACATGGTGACCCTG
GAGAACCTTCTCTTCACCTGCTGAATTAGACCCTCATATCTTGGCCGTGTTCCAGCAGTTCTGTGCCCTGCAGGCC
TAAGGGGTCATTTTTTCTCATGTCAAGGTTTTTTTTTGATATCTTAAATAATTTGTCTTATTTTTTGATGGTTG
AATGCTTGCTTTCTTGTAGTATCCTTTCACTTCTTAAAGGAAACAAAGGGGAAGAGGACAGTGAATGAACATGGC
ATTACTTTTAAATTGCCCTGAAAAGCAAATACTTCCTAACGGCAGTAATGTGACTATGACCATGATATATTATATA
TGTGACAGATACAAATCTCTGTGATCAGTTTGTTATTTTTTTCTCCTTAAGGCAACAAAATAATTGGTTTGAG
GTATGTGAAACACTAGAGGTCAACCTTACATAGTATATAGAACTGATGGGTTTACCCAGCTACCCAGTAGCATAA
CTTTTCACAGCTCGGGGATGAATTAACATGGCTGAAATAAACTAAAAGTATG

2963/6881
FIGURE 2735

MSRRRHSDENDGGQPHKRRKTSANETEDHLES LICKVGEKSACSLESNLEGLAGVLEADLPNYKSKILRLLCTV
ARLLPEKLTIIYTTLVGLLNARNYNFGGEFVEAMIRQLKESLKANNYNEAVYLVRFSLDLVNCHVIAAPSMVAMFE
NFVSVTQEEDVPQVRRDWYVYAFLSSLPWVGKELYEKKDAEMDRIFANTESYLKRRQKTHVPMLQVWTADKPHPQ
EEYLDCLWAQIQKLKKDRWQERHILRPYLAFDSILCEALQHNLPPTPPPHTEDSVYPMPRVIFRMFDYTDDPEG
PVMPGSHSVERFVIEENLHCCI KSHWKERKTCAAQLVSYPGKNKIPLNYHIVEVIFAELEFQLPAPPHIDVMYTTL
LIELCKLQPGSLPQVLAQATEMLYMRD TMNTTCVDRFINWFSHLSNFQFRWSWEDWSDCLSQDPESP KPFVR
EVLEKCMRLSYHQRILDIVPPTFSALCPANPTCIYKYGDESSNSLPGHSVALCLAVAFKSKATNDEIFSILKDVP
NPNQDDDDDEGFSFNPLKIEVFVQTLHLAAKSF SHSF SALAKFHEVFKT LAESDEGKLHVL RVMFEVWRNHPQM
IAVLVDKMIRTQIVDCAAVANWIFSS ELSRDFTRLFVWEILHSTIRKM NKHVLKIQKELEEAKEKLARQHKRRSD
DDDRSSDRKDGVL EEQIERLQEKVES AQSEQKNLFLVIFQRFIMILTEHLVRCETDGT SVLTPWYKNCIERLQOI
FLQHHQIIQQYMTLENLLFTAELDPHILAVFQQFCALQA

2964/6881
FIGURE 2736

CGGCTGTAATCTCAGAGGCTTGTTTGCTGAGGGTGCCTGCGCACGTGCGACGGCTGCTGGTTTTGAAACATGAAT
CTTTCGCTCGTCCTGGCTGCCTTTTGCTTGGGAATAGCCTCCGCTGTTCCAAAATTTGACCAAAATTTGGATACA
AAGTGGTACCAGTGGAAGGCAACACACAGAAGATTATATGGCGCGAATGAAGAAGGATGGAGGAGAGCAGTGTGG
GAAAAGAATATGAAAATGATTGAACTGCACAATGGGGAATACAGCCAAGGGAAACATGGCTTCACAATGGCCATG
AATGCTTTTCTGACATGACCAATGAAGAATTCAGGCAGATGATGGGTTGCTTTGAAAACCAGAAATTCAGGAAG
GGGAAAGTGTTCCGTGAGCCTCTGTTTCTTGATCTTCCCAAATCTGTGGATTGGAGAAAAGAAAGGCTACGTGACG
CCAGTGAAGAATCAGAAACAGTGTTGTTCTTGTTGGGCTTTTAGTGCGACTGGTGCTCTTGAAAGGACAGATGTTT
CGGAAAACCTGGGAAACTTGTCTCACTGAGCGAGCAGAATCTGGTGGACTGTTTCGCGTCCTCAAGGCAATCAGGGC
TGCAATGGTGGCTTCATGGCTAGGGCCTTCCAGTATGTCAAGGAGAACGGAGGCCTGGACTCTGAGGAATCCTAT
CCATATGTAGCAGTGGATGAAATCTGTAAGTACAGACCTGAGAATTCTGTTGCTAATGACACTGGCTTCACAGTG
GTCGCACCTGGAAAGGAGAAGGCCCTGATGAAAGCAGTCGCAACTGTGGGGCCCATCTCCGTGCTATGGATGCA
GGCCATTTCGTCCTTCCAGTTCTACAAATCAGGCATTTATTTTGAACCAGACTGCAGCAGCAAAAACCTGGATCAT
GGTGTTCCTGGTGGTTGGCTACGGCTTTGAAGGAGCAAATTCGAATAACAGCAAGTATTGGCTCGTCAAAAACAGC
TGGGGTCCAGAATGGGGCTCGAATGGCTATGTAAAAATAGCCAAAGACAAGAACAACCACTGTGGAATCGCCACA
GCAGCCAGCTACCCCAATGTGTGAGCTGATGGATGGTGAGGAGGAAGGACTTAAGGACAGCATGTCTGGGGAAAT
TTTATCTTGAACTGACCAACGCTTATTGTGTAAGATAAACCAGTTGAATCATTGAGGATCCAAGTTGAGATTT
TAATTCTGTGACATTTTTACAAGGGTAAAATGTTACCACTACTTTAATTATTGTTATACACAGCTTTATGATATC
AAAGACTCATTGCTTAATTCTAAGACTTTTGAATTTTCATTTTTTAAAAAGATGTACAAAACAGTTT

2965/6881
FIGURE 2737

MNLSLVLAAFCLGIASAVPKFDQNLDTKWYQWKATHRRLYGANEEGWRRVWEKNMKMIELHNGEYSQKGHGFTM
AMNAFPDMTNEEFQMMGCFRNQKFRKGKVFREPLFLDLPKSVDWRKKGYVTPVKNQKQCGSCWAFSATGALEGQ
MFRKTGKLVSLSEQNLVDCSRPQGNQGCNGGFMARAFQYVKENGGLDSEESYPYVAVDEICKYRPENSVANDTGF
TVVAPGKEKALMKAVATVGPISVAMDAGHSSFQFYKSGIYFEPDCSSKNLDHGVLVVGYGFEFEGANSNNSKYWLVK
NSWGPEWGSNGYVKIAKDKNNHCGIATAASYPNV

2966/6881
FIGURE 2738

ATGAAGATCAAGATCGTGACAGGCAGTGGCGCGAGGCTTGAGTTGGGAAACCAGTTCTCCCACTTCATTAATAAT
GATGTCGATGTTCCCTGGCAGTGTTTATACCAAATGCTACTTTGACCTTTGCGCCTTGGCACACGACAGTAGCCTA
TATTTGCCATTTTGTCTTCTTGACATAGAAAGAGCATGGGAACTGAAGGTAATAAAGCTGGAATTTATGCAGCTC
TTTCGGTCTCCACAGCTCGGGGTCTTGCCACAGACACAGCGCCACGAGTTCTGGCACTTTGGTCAACGTTTATA
AACGGGCTCTCCTCTGCCGCCGCGGGCATGCGCTTTCCCCAAGACTCTGAGGCCACTTTTGCTCTCAGAGGCACA
CAGAAAGAGACATCGGGCGCATGGCAAGCGGGCAGCTGAAGATGATGAGGATGATGATGTCGATACCAAGAAGCAG
AAGACCGACAAGGATGACTAG

2967/6881
FIGURE 2739

MKIKIVTGSGARLELGNQFSHFINNDVDVPGSVYTKCYFDLCALAHDS SLYLPFCLLDIERAWELKVIKLEFMQL
FRSPQLGVL PQTORPRVLALWSTFINGLSSAAAGMRFPQDSEATFALRG TQKRHRAHGKRAAEDDEDDVDTKKQ
KTDKDD

2968/6881
FIGURE 2740

GCCAGCTGCCGGTCTTTCGGGGGCTCCGTAACTTTCTATCCGTCCGCGTCAGCGCCTTGCCACCCTCATCTCCAA
TATGCCTGGTCCGACCCCCAGTGGCACTAACGTGGGATCCTCAGGGCGCTCTCCCAGCAAAGCAGTGGCCGCCCCG
GGCGGCGGGATCCACTGTCCGGCAGAGGAAAAATGCCAGCTGTGGGACAAGGAGTGCAGGCCGCACAACCTCGGC
AGGCACCGGGGGGATGTGGCGATTCTACACAGAAGATTACCTGGGCTCAAAGTTGGCCCTGTTCCAGTATTGGT
TATGAGTCTTCTGTTTCATCGCTTCTGTATTTATGTTGCACATTTGGGGCAAGTACACTCGTTCTGTAGATTTCAGTT
ACATCCATCTGTTCATCTGAAGAAGGAGGAAAAAACCAACATTTCTTGGACCAAAAAGTATAGTGACTATCTGTTC
ATGAGAGAAATTTTCTGTAAAGCTTGCTGTTTTACAGGGGATTTATCAATAATTGATTTTGAGGAATCAGTTTTTT
TCTATGGCTAATAAACTTTTTAATTCATTATACTGAAAAAAAAAAAAAAAAAAAAA

2969/6881
FIGURE 2741

MPGPTPSGTNVGSSGRSPSKAVAAARAAGSTVRQRKNASCGTRSAGRTTSAGTGGMWRFYTEDSPGLKVGPPVPLV
MSLLFIASVFMLHIWGYTRS

2970/6881
FIGURE 2742

ATGTCTACTCCTTCTGGAATATCCACCTGGCTCAGCCTGCCTGTTTCGACTCCTGCCTCCATCACATCCATCAGA
GTGACCCAGAAAGTCCTCTGGCCCCCTGGGCCTTCAGCAGCTGCACCTACGTGAGTGGGCCTGGCGTCTGCATCAGC
TCCTTGAGCTGCTCCCGAGTGGGGAGCAGCAGCTTTCGGGGTGGCCTGGGTGGAGGCTATGGTGGGGCCAGTGGC
ATGGGAGGCATCATCGCCATCATGGTCAACCAGAGCCTGTTGAGCCCCCTTAACCTGGAGGTGGACCCCAACATC
CAGGCCGTGTGTACCCAGGAGAAGGAGCAGATCAAGACCCTCAACAACAAGTTTGCCTCCTTCATCGACAAGGTA
TGGTTCTTGGAGCAGCAGAACAAGGTGCTGGAGACCAAGTGGAGCCTCCTGCAGCAGCAGAAGATGGCTCGGAGT
AACATGGACAACATGTTGGAGAGCTACATCAACAACCTTAGGCGGCAGCTGGAGACTCTGGGCCAGGAGAAGCTG
AAGCTGGAAGCAGAGCTTGGCAACATGCAGGGGCTGGGGGAGGACTTCAAGAACAAGTATGAGGATGAGATCAAT
AAGCATACGGAGGTGGAGAATGAATTTGTCTCATCAAGAAGGATGTTGATGAAGCTTACATGAACAAGGCAGAA
CTGGAGTCCCTCCTGGAAGGGCTGACTGACGAGATCAACTTCCTCAGGCAGCTGTATGAAGAGGAGATCCGGGAG
CTGCAGTCCCAGATCTCCGACATGTCTATGGTGCTGTCCATGGACTACAGCTGCTCTCGGGACATGGACAGCATC
ATCCCTGAGGTCAAGGTGCAGTATGAGGAGATTGCCAACTGCAGCCGGGCTGAGGCTGAGAGCATGTACCAGATC
AAGTATGAGGAGCTGCAGACGCTGGCTGGGAAGTACGGGGATGACCTAAGCCGCACAAAGACTGAGATCTCCGAG
ATGAACCGGAACATCAGCTGGCTCCAGGCTGAGACCGAGGGCCTCAAAGGCCAGAGGGCTTCCCTGGAGGGCCGCC
ATCACAGATGCCGAGCAGCGTGGGGAGCTGGCTGTTAAGGATGCCAACGCCAAGCTGTCCGAGCTGGAGGGCCGCC
CTGCAGCGGGCCAAGCAGGACATGATGGGGCAGCTGCGTGAGTACCAGGAGCTGATGAACGTCCGGGCTTACCCTG
GACATCGAGATTGCCACCTACAGGAAGCTGCTGGAGGGCGAGGAGAGCCGGCTGGAATCTGGGATGCAGAACGTG
AGTATCCATACGAAGACCACCAGCAGCTATGCAGGTGGGCTGAGCTCGGCCTATGGGGGCCTCACAAGCCCCGGC
ATCATCTACCGCCTGGGCTCCAGCTTTGGCTCTGCCGCGGGCTCCAGCTCCTTCAGCCGCACCAGCTCCACCAGG
GCCGTGGTTGTGAGGAAGATCGAGACCCATGATGGCAAGCTGGAGTCCGAGTCCTCTGACGTCTGTCCAAGTGA

2971/6881
FIGURE 2743

MSTPSGISTWLSLPVSTPASITSIRVTQKSSGPWAFSSCTYVSGPGVCISLSCSRVGSSSFRRGGLGGGYGGASG
MGGIIAIMVNQSLSPLEVDPNIQAVCTQEKEQIKTLNNKFASFIDKVWFLEQQNKVLETKWSSLQQQKMARS
NMDNMLESYINNLRQLETLGQEKLEAEELGNMQGLGEDFKNKYEDEINKHTEVENEFVLIKKDVDEAYMNKAE
LESLEGLTDEINFLRQLYEEEIRELQSQISDMSMVLSDYSCSRDMSI IPEVKVQYEEIANCSRAEAESMYQI
KYEELQTLAGKYGDDLRTKTEISEMNRNISWLQAETEGKQGRASLEAAITDAEQRGELAVKDANAKLSELEAA
LQRAKQDMMGQLREYQELMNVGLTLDIEIATYRKLEGEESRLESGMQNVSIHTKTTSSYAGGLSSAYGGLTSPG
IIYRLGSSFGSAAGSSSFRTSSTRVVVRKIETHDGKLESESSDVLSK

2972/6881
FIGURE 2744

AAAAACATGATGAGAAGTCTATAAAAAATTGTGTGCTACCAAAGATCTGTCTTATTTGGCAGCTGCTGCCTCACCC
ACAGCTTTTGATATCTAGGAGGACTCTTCTCTCCCAAACCTACCTGTCACCATGGGCCACCGATTTCCAGCCCTCA
CCCAGGAGCAGAAGAAGGAGCTCTCAGAAAATTGCCCAGAGCATTGTTGCCAATGGAAAGGGGATCCTGGCTGCAG
ATGAATCTGTAGGTACCATGGGGAAACCGCCTGCAGAGGATCAAGGTGGAAAACACTGAAGAGAACCGCCGGCAGT
TCCGAGAAATCCTCTTCTCTGTGGACAGTTCCATCAACCAGAGCATCGGGGGTGTGATCCTTTTCCACGAGACCC
TCTACCAGAAGGACAGCCAGGGAAAGCTGTTTCAGAAACATCCTCAAGGAAAAGGGGATCGTGGTGGGAATCAAGT
TAGACCAAGGAGGTGCTCCTCTTGCAGGAACAAACAAAGAAACCACCATTCAAGGGCTTGATGGCCTCTCAGAGC
GCTGTGCTCAGTACAAGAAAGATGGTGTGACTTTGGGAAGTGGCGTGCTGTGCTGAGGATTGCCGACCAGTGTG
CATCCAGCCTCGCTATCCAGGAAAACGCCAACGCCCTGGCTCGCTACGCCAGCATCTGTCAGCAGAATGGACTGG
TACCTATTGTTGAACCAGAGGTAATTCCTGATGGAGACCATGACCTGGAACACTGCCAGTATGTTACTGAGAAGG
TCCTGGCTGCTGTCTACAAGGCCCTGAATGACCATCATGTTTACCTGGAGGGCACCCCTGCTAAAGCCCAACATGG
TGACTGCTGGACATGCCTGCACCAAGAAGTATACTCCAGAACAAGTAGCTATGGCCACCGTAACAGCTCTCCACC
GTACTGTTTCTGTCAGCTGTTTCTGGCATCTGCTTTTTGTCTGGTGGCATGAGTGAAGAGGATGCCACTCTCAACC
TCAATGCTATCAACCTTTGCCCTCTACCAAAGCCCTGGAAACTAAGTTTCTCTTATGGACGGGCCCTGCAGGCCA
GTGCACTGGCTGCCTGGGGTGGCAAGGCTGCAACAAGGAGGCAACCCAGGAGGCTTTTATGAAGCGGGCCATGG
CTAACTGCCAGGCGGCCAAAGGACAGTATGTTACACGGGTTCTTCTGGGGCTGCTTCCACCCAGTCGCTCTTCA
CAGCCTGCTATACCTACTTAGGGTCCAATGCCCGCCAGCCTAGCTCCAGTGCTTCTAGTAGGAGGGCTGAAAGGGA
GCAACTTTTCTCCAATCCTGGAAATTCGACACAATTAGATTTGAACTGCTGGAAATACAACACATGTTAAATCT
TAAGTACAAGGGGGGAAAAAATAAATCAGTTATTGAAACATAAAAAATGAATACCAAGGACCTGATCAAATTTACA
CAGCAGTTTCTTGCAACACTTTCAGCTCCCCATGCTCCAGAATACCCACCCAAGAAAATAATAGGCTTTAAAC
AATATCGGCTCCTCATCCAAAGAACAACCTGCTGATTGAAACACCTCATTAGCTGAGTGTAGAGAAGTGCATCTTA
TGAAACAGTCTTAGCAGTGGTAGGTTGGGAAGGAGATAGCTGCAACCAAAAAAGAAATAAATATTCTATAAACCT
TC

2973/6881
FIGURE 2745

MAHRFPALTQEQKKELSEIAQSIVANGKGILAADESVGTMGNRLQRIKVENTEENRRQFREILFSVDSSINQSIG
GVILFHETLYQKDSQGKLFERNILKEKGIVVGIKLDQGGAPLAGTNKETTIQGLDGLSERCAQYKKDGVDFGKWRA
VLRIADQCPSSLAIQENANALARYASICQQNGLPIVEPEVIPDGDHLEHCQYVTEKVLAAVYKALNDHHVYLE
GTLLKPNMVTAGHACTKKYTPEQVAMATVTALHRTVPAAVPGICFLSGGMSEEDATLNLNAINLCPLPKPWKLSF
SYGRALQASALAAWGGKAANKEATQEAFMKRAMANCQAAKGQYVHTGSSGAASTQSLFTACYTY

2974/6881
FIGURE 2746

GCCGCTTTGGGGGCCGCGGTCTCTCCGCAGCTCGCGGGTCACATGGCCCGCCTGAGCAAGGGGAGCCCTGCGCCT
GAGCTGCGAGGCGGGAGGAGGTGAGGCTCCGGCGCACACCCAAACCGCGCTGCGCCCGCTCCTTCCGGGCCCCGG
AGATGGCGCCTCCACCGGGATGAGCTAGCCAGCCTGGGCAATACCAGAGGCGGCCCTCGGCGCGCGCAGGGGACC
GAGCTGGTCGCCCCAACCGGGTTTGATTTCTGATGACTCTGGCCTGAGTTCAGGATGGTTTTTTCTTGGGACCA
GACATGAACAAAAGTTGACCTCATGAGCACTTCAACCTCTCCAGCTGCCATGCTCCTCCGGAGGCTGCGGCGACT
GTCCTGGGGCAGCACTGCTGTCCAGCTCTTCATCCTAACAGTGGTGACGTTTGGCCTGCTGGCCCCCTGGCCTG
TCACCGACTTCTACACTCTTACTTCTATCTGCGCCATTGGCATCTGAACCAAATGAGCCAAGAGTTCCTGCAGCA
AAGCTTGAAAGAGGGTGAGGCTGCCCTCCACTATTTTGAGGAGCTTCCCTCTGCCAATGGCTCAGTGCCCATTTGT
CTGGCAGGCCACCCCCCGGCCCTGGCTGGTGATCACCATCATCACTGTGGACAGGCAGCCTGGCTTCCACTACGT
CCTGCAGGTTGTGTCCCAGTTCCACCGCTTCTTCAGCAATGTGGCCCCCAGTGCGAGGGGCACCAACTCTTCTCT
GTGCAACGTGGAGCGTAGTGTGAGCCATTTTGATGCCAAGTTGCTCTCCAAGTATGTCCCTGTGGCCAATCGCTA
TGAGGGCACTGAGGATGATTATGGTGATGACCCCTCGACCAACTCGTTTGAGAAAGAGAAGCAGGACTATGTCTA
TTGCCITGGAGTCATCCCTGCAGACCTACAACCCAGACTACGTCTCTGATGGTAGAAGACGATGCTGTACCAGAAGA
GCAGATCTTCCCAGTCTTGGAGCACCTTCTGCGGGCTCGCTTCTCTGAGCCACATCTCAGAGATGCCCTTTATCT
CAAGCTGTATCACCCGAGAGGCTCCAGCACTACATCAATCCAGAGCCCATGCGGATCCTGGAATGGGTGGGTGT
AGGCATGTTGCTGGGGCCCTTACTAACCTGGATATACATGAGGTTTGCCAGCCGCCCAGGGTTTAGCTGGCCTGT
AATGCTCTTCTTCTCCCTGTATAGCATGGGTCTGGTGGAGCTGGTGGGTCGGCACTATTTCTGGAAGTGCAGCG
GCTGAGTCCTTCCCTGTACAGTGTGGTTCTGCCTCTCAGTGTTCACCCAGCCATGCTCTTCCCGGCACCTGC
GGCCCGCCGGACCCCTCACCTACCTGTCCCAAGTGTACTGCCACAAGGGCTTTGGCAAGGACATGGCACTGTACTC
GCTGTTGAGGGCCAAGGGAGAGAGGGCCTATGTAGTGGAGCCGAACCTCGTGAAACACATCGGGCTCTTCTCCAG
TCTCCGGTACAACCTTTCATCCAGTCTCCTCTAGGGTGCCAAGAGATGCCTTTCTGAAGTTGGCCACTTCTTGAA
GATTCAAATATTTATCTCTTTATTTAGACATGGTTGCCTGCAGGTATTTCACTGTTTACTGTTGTTAGAGATATA
GGCACTGGGGCAGCTGAGGAACCTCAATATGTTAAGAGCCTTGGCTTTGGTAGCCTCCTGGCAGGAGCAGCAGTT
TGCCACAGGTCCGGACCTCTCCCTCCACACAGCCACACTGCCTCATGCAGTCTGACCCACCCAGTGAGGGTGCAT
TTGAACACTGATTATATTCTCCATTTGTTTTTAAGCTCTGCTTTGTGTTAGAGCTTGTGACTGCCAAAAATTTG
TGCACAGTGATATGACTGTTTTAGGATCTTAAGGGTAGAATTTTGTGAAAGGTGAGATCCTTTGGAATTGAGTTC
TTTCTCATTGGGTATGAAAATGGATGTATGTTTAGAATATATGCCAACGAGGCAGGACCATGTGGATAGATTCC
ATTTGTTTCCTTGACCTGATGTAATAAAAACTGATAAAAGCCGTGCAGTGCCCGGCATCTTGAAAAAAAAAAAA
AAAAAAAAAA

2975/6881
FIGURE 2747

MSTSTSPAAMLLRRLRRLSWGSTAVQLFILT VVTFGLLAPLACHRLLHSYFYLRHWHLNQMSQEF LQQSLKEGEA
ALHYFEELPSANGSVPIVWQATPRPWL VITIIITVDRQPGFHYVLQVVSQFHRLLQQCGPQCEGHQLFLCNVERSV
SHFDAKLLSKYVPVANRYEGTEDDYGDDPSTNSFEKEKQDYVYCLESSLQTYNPDYVLMVEDDAVPEEQIFPVLE
HLLRARFSEPHLRDALYKLYHPERLQHYINPEPMRILEWVGVMGMLLGPLL TWIYMRFASRPGFSWPVMLFFSLY
SMGLVELVGRHYFLELRRLSPSLYSVVPASQCCTPAMLF PAPAARRTLTYLSQVYCHKGFGKDMALYSLLRAKGE
RAYVVEPNLVKHIGLFSSLRYNFHPSSL

2976/6881
FIGURE 2748

GAGATACGCGCACACACACACACAAACGCACTCAGATTTCCCGGACCCTGGTTTTCTCCTGTGACCCTTTCGGG
GCCGGGCTCTCACCCTAAAGAAGCAGCCCCGCCCTGGGGTGGCCCCACCCTCTCTTGGGACCTGTCATAAGTCGG
ACCCCGGGCGCCCGGCTGCGCAGTCCCAGCCGCCTTCCCCAGGCAGTGGAACCTTCGGGCTCCTGAGCTTCAGGA
TGGTTCGTACTAAGACATGGACCCTGAAGAAGCACTTTGTTGGCTATCCTACTAATAGTGACTTTGAGTTGAAGA
CAGCTGAGCTCCCACCCTTAAAAAATGGAGAGGTCCTGCTTGAAGCTTTGTTCTCACCCTGGATCCCTACATGA
GAGTGGCAGCCAAAAGATTGAAGGAAGGTGATACAATGATGGGGCAGCAAGTGGCCAAAGTTGTGAAAAGTAAAA
ATGTAGCCCTACCAAAAGGAAGTATTGTACTGGCTTCTCCAGGCTGGACAACGCACTCCATTCTGATGGGAAAG
ATCTGGAAAAGCTGCTGACAGAGTGGCCAGACACAATACCACTGTCTTTGGCTCTGGGGACAGTTGGCATGCCAG
GCCTGACTGCCTACTTTGGCCTACTTGAAATCTGTGGTGTGAAGGGTGGAGAAACAGTGATGGTTAATGCAGCAG
CTGGAGCTGTGGGCTCAGTCGTGGGGCAGATTGCAAAGCTCAAGGGCTGCAAAGTTGTTGGAGCAGTAGGGTCTG
ATGAAAAGGTTGCCTACCTTCAAAAGCTTGGATTGTGATGTCGTCTTTAACTACAAGACGGTAGAGTCTTTGGAAG
AAACCTTGAAGAAAGCGTCTCCTGATGGTTATGATTGTTATTTTGATAATGTAGGTGGAGAGTTTTCAAACACTG
TTATCGGCCAGATGAAGAAATTTGGAAGGATTGCCATATGTGGAGCCATCTCTACATATAACAGAACCGGCCAC
TTCCCCCAGGCCACCCCCAGAGATTGTTATCTATCAGGAGCTTCGCATGGAAGCTTTTGTCTCTACCGCTGGC
AAGGAGATGCCCGCCAAAAAGCTCTGAAGGACTTGCTGAAATGGGTCTTAGAGGGTAAAAATCCAGTACAAGGAAT
ATATCATTGAAGGATTTGAAAACATGCCAGCTGCATTTATGGGAATGCTGAAAGGAGATAATTTGGGGAAGACAA
TAGTGAAAGCATGAAAAAGAGGACACATGGAATCTGGAGGCCATTTAGATGATTAGTTAATTTGTTTTTCACCAT
TTAGCAAAAATGTATACTACCTTAAATGTCTTAAGAAATAGTACTCATAATGAGTTTGAGCTACTTAATAAAATA
CATTTAAGTGGTATGTAA

2977/6881
FIGURE 2749

MVRTKTWTLKKHFVGYP TNSDFELKTAELPPLKNGEVLLEALFLTVDPYMRVAAKRLKEGDTMMGQQVAKVVESK
NVALPKGTIVLASPGWTTHSISDGKDLEKLLTEWPD TIPLSLALGTVGMPGLTAYFGLEICGVKGGETVMVNAA
AGAVGSVVGQIAKLKGCKVVGAVGSDEKVAYLQKLGF DVVFNYKTVESLEETLKKASPDGYDCYFDNVGGEFSNT
VIGQMKKFGRIAICGAISTYNRTGPLPPGPTPRDCYLSGASHGSFCRLPLARRCPPKSSEGLAEMGLRG

2978/6881
FIGURE 2750

GAACCTCCATCTTCCAGTAATTCGCCAAAATGACGAACACAAAGGGAAAGAGGAGAGGCTCCCGACATATGTTCT
CTAGGCCTTTTAGAAAACATGGAGTTGTTTCCTTTGGCCACGTATATGCGAATCTATAAGAAAGGTGATATTGTAG
ACATCAAGGGAATGGGTACTGTTCAAAAAGGAATGCCCCACAAGTGTTACCATGGCAAACTGGAAGAGTCTACA
ATGTTACCCAGCATGCTGTTGGTATTGTAAACAAACAAGTTAAGGGCAAGATTCTTGCCAAGAGAATTAATGTGC
ATATTGAGCACATTAAGCACTCTGAGCCGAGATAGCTTCCTGAAATGTGTGAAGGAAAATGATCAGAAAAAGAAA
GAAGCCAAAGAGAAAAGGTACCTGGGTTCAACTGAAGTGCCAGCCTGCTCCACCCAGAGAAGCACACTTTGTGAGA
ACCAATGGGAAGGAGCCTGAACTGCTGGAACCTATTCCTATGAATTCATGGCATAATAGGTGTTTAAAAAATAA
ATAAATAAAAGACCTCTGGGCTGTTA

2979/6881
FIGURE 2751

TGGACGGTCTGAAAGGGAGTGTTTCGGGTTTCGCTGGGGCCTCGCGGCTCCAGAGCCCAGC**ATCG**GCTTCCTCGCGA
GCCTCTTCCACGCAGGCAACCAAACTAAAGCACCCGACGACTTAGTTGCTCCGGTCGTGAAGAAACCACACATC
TATTATGGAAGTTTGGAAGAGAAGGAGAGGGAGCGTCTGGCCAAAGGAGAGTCTGGGATTTTGGGGAAAGACGGA
CTTAAAGCAGGGATCGAAGCTGGAAATATTAATATAACCTCTGGAGAAGTGTTTGAAATTGAAGAGCGTATCAGC
GAGCGACAGGCAGAAGTATTGGCTGAGTTTGAGAGAAGGAAGCGAGCCCGGCAGATCAATGTTTCCACAGATGAC
TCAGAGGTCAAAGCTTGCCCTTAGAGCCTTGGGGGAACCCATCACACTTTTTGGAGAGGGTCCTGCTGAAAGAAGA
GAAAGGTTAAGAAATATCCTCTCAGTTGTCGGTACTGATGCCTTGAAAAAGACCAAAAGGATGATGAGAAGTCT
AAAAAGTCCAAAGAAGAGTATCAGCAAACCTGGTATCATGAAGGACCAAAATAGCTTGAAGGTGGCAAGACTATGG
ATTGCTAATTATTTCGTTGCCAGGGCAATGAAACGCTTGGAAGAGGCCCGACTCCATAAGGAGATTTCCTGAGACA
ACAAGGACCTCCCAGATGCAAGAGCTGCACAAGTCTCTCCGGTCTTTGAATAATTTTTCAGTCTAGATTGGGGAT
GATCGGCCTATCTCTACTGTCACTTTAGTCCCAATTCCAAGATGCTGGCCACAGCTTGTTGGAGTGGGCTTTGC
AAGCTCTGGTCTGTTCTCTGATTGCAACCTCCTTCACACTCTTCGAGGGCATAACACAAATGTAGGAGCAATTGTA
TTCCATCCCCAAATCCACTGTCTCCTTGGACCCAAAGATGTCAACCTGGCCTCTTGTCGGGCTGATGGCTCTGTG
AAGCTTTGGAGTCTCGACAGTGAACAGTGGCAGATATTGAAGGCCATACAGTGCCTGTGGCGCGGGTAATG
TGGCATCCTTCAGGACGTTTCCTGGGCACCACCTGCTATGACCGTTCATGGCGCTTATGGGATTTGGAGGCTCAA
GAGGAGATCCTGCATCAGGAAGGCCATAGCATGGGTGTGTATGACATTGCCTTCCATCAAGATGGCTCTTTGGCT
GGCACTGGGGGACTGGATGCATTTGGTCGAGTTTGGGACCTACGCACAGGACGTTGTATCATGTTCTTAGAAGGC
CACCTGAAAGAAATCTATGGAATAAATTTCTCCCCCAATGGCTATCACATTGCAACCGGCAGTGGTGACAACACC
TGCAAAGTGTGGGACCTCCGACAGCGGCGTTGCGTCTACACCATCCCTGCTCATCAGAACTTAGTGACTGGTGTC
AAGTTTGAGCCTATCCATGGGAACCTTCTTGCTTACTGGTGCTATGATAACACAGCCAAGATCTGGACGCACCCA
GGCTGGTCCCCGCTGAAGACTCTGGCTGGCCACGAAGGCAAAGTGATGGGCCTAGATATTTCTCCGATGGGCAG
CTCATAGCCACTTGCTCATATGACAGGACCTTCAAGCTGTGGATGGCTGAAT**AGAT**GACAATGGGAAAAGGACTT
GAACCTCAAGCTCTCTCTAAGGAGCTGTTTTCTCAACGAGAAGAATTGAAGTGTTTAGTTCTATCATGTTTTTC
TGCCAATTACCATGCATAGACCCTCAGTAGAATTGGATTTCCATGTCAGCCCCCACTCCAGGAAGGCAGCCCAAT
CCCTAGGTGATGGGGAACCCCTCTCACGTTGAAAATTTATTACCTTTTTACGCCCTGCCACGAACTGTGTAGAC
ATTGTTTTTATTAATCTTTTGTGTTGGCCGGGCGTGGTGGCTCACGCCTGTAATCCTAGCACTTTGGGAGGCGGAG
GTGGGTAGATCGCTTGAGCTCAGGAGTTCAAGACGAGCCTGGGCAACATGGCAAATGCCGTCTCTGCAAAAAAAT
ACTAAAATTAGCTGGTCGCGGTGGCTTCTGCCTGTGATTCCGGCTACTTGGGAGGCTGAGGTGGGAGGGATTGCT
TAAGCCTGGGAGGCAGAGGTTGCAGTGAGCCGAGATTGCGCCATTGCACTCTAGCCTGTGTGACAGAGCAAGACC
CTGTCTCAAAAA

2980/6881
FIGURE 2752

MASSRASSTQATKTKAPDDL VAPVVKKPHIYYGSLEEKERERLAKGESGILGKDGLKAGIEAGNINITSGEVFEI
EERISERQAEVLAEFERRKRARQINVSTDDSEVKACLRALGEPITLFGEGPAERRERLRNILSVVGTDALKKTKK
DDEKSKKSKEEYQQTWYHEGPNSLKVARLWIANYSLPRAMKRLEEARLHKEIPETTRTSQMQLHKSLSLNNFC
SQIGDDRPISYCHFSPNSKMLATACWSGLCKLWSVPDCNLLHTLRGHNTNVGAIVFHPKSTVSLDPKDVNLASCA
ADGSVKLWSLDSDEPVADIEGHTVRVARVMWHPSGRFLGTTTCYDRSWRLWDLEAQEEILHQEGHSMGVYDIAFHQ
DGSLAGTGGLDAFGRVWDLRTGRCIMFLEGLHKEIYGINFSPNGYHIATGSGDNTCKVWDLRQRRCVYTIPAHQN
LVTGVKFEP IHGNFLLTGAYDNTAKIWITHPGWSPLKTLAGHEGKVMGLDISSDGQLIATCSYDRTFKLWMAE

2981/6881
FIGURE 2753

GGCACGAGGGACGCGGGAAGTCCGGACGCAGTAGCTCCCTGAAGCGGAGGCGAAGGGGAGTTTAAGCCCCAGCGG
CGGCAATGGCGGAGAGGCCCCGAGGACCTAAACCTGCCCAATGCCGTGATCACCAGGATCATCAAGGAGGCGCTCC
CGGACGGTGTCAACATCTCCAAGGAGGCCCGGAGCGCCATCTCCCGCGCCGCCAGCGTCTTCGTGCTGTACGCCA
CATCCTGTGCTAACAACCTTTGCAATGAAAGGAAAGCGGAAGACGCTGAATGCCAGTGATGTGCTCTCAGCCATGG
AAGAGATGGAGTTCCAGCGGTTTCGTTACCCCATTTGAAAGAAGCTCTGGAAGCATATAGGCGGGAGCAGAAAGGCA
AGAAGGAGGCCTCAGAGCAAAAAGAAGGACAAAGACAAAAAACAGACTCGGAAGAGCAAGACAAGAGCAGGG
ATGAGGACAATGATGAAGACGAAGAAAGGCTGGAAGAAGAAGAACAGAATGAAGAGGAAGAAGTAGACAACTGAA
AAGGGCGGGAGACTGTGGCACCTTGGAAGGTACCACITGAAATGAGACGTGCTACGTGTTTCTGTGAAGCTTTTC
CATGCTGGGCAGAGTAGTCTCAGGCAAAAGTGCCTGAAAAGATCAGAATAAAAACTGACTAGAAAATACCGTCAAA
ACCAGCACITTACCAAACCTCAGAGCATCTGAGTAGCAGAATCCTGTTTTGCTTCATCAATCTGAAGTTATGGCCT
TTTGACAAGAGGGATTCTGAACGACTAAATTAGTCAGTTTTGCTCGCTTTTGTCTTACTTAAATGTATGGTTAGATG
GTTTTTGATCTGCAGTCTTCCCTAGTCCCCCAAATAAGTAATAATAACTTCCATGCTGCCTGCTGTGTTCCAGAT
CACAGAGGCAGCCAAGGCTCAGGAAAACTGGGGCTTTGCTTATGGTCAGCCTATGTTTGATTGCACAGTCTTTG
ACAATAGTAGCTTACTAAGACTGCTCAGAATGAGTAAGCTTTAGGAACTACTAAAATGCTGTGGGAGAATAACA
AAATCCGTTCTCTCTCTTCACTTGACAGAAGCATTAACTGAATTTTGTCTTTTCATAGACCCACTTGGCCCAAAC
CTTTCTATATTGCCTGTAGATGATCGGCCTGCTGGTGTGGTAGTAATCTGATCACAGATATTCTTAAATCAGCAG
TGTGGAATGGTATTAGTCAAACATGGTGCCAGTGTCTTTTACAAAAACAGATGGCATAGTGTGAGATGTACCTTA
CTCTCTGCTACTGTACAGCTTTAGGATTTGTATCACCTCCCGGAAGGTGTAACCCAGGCTTCTCTTTCTTG
TAGTCCATCTCCCAGACTTGTGACTATGGCTTTTCATTCTTCAATTCATGACGAGTGCCAACTTGATTTTCTCT
AGGCACAGCTTTCTCCCTCTGTGCCTCCTGCTTCTCTCTCTGCTCTCCTCTGCTCCCCATCCCACTTTCT
CATCTGCCTCCTTTTCTCACTTCTGTGCTGAGTCTGTAAGCTTTGATAACCTGCTTAATACTCCAAAGTGTGAGTTCC
TCTGATCTCTTGATTCTTAGTTCTAATCTCACGTTTTGTTTTTAAGAGATGGAGTCTCTCACTCTGTGGCCCAG
GCTGGAGTGCAGTGGCATGATCATAGCTCATTGCATCCTTGAAATCCTGGGCTCAGGTGATCCTCCCGCCTGAGC
CTCCTGAGTATCTGGGACTACAGATGCGTGCCACCAAGCCTGGCTAATTTTGCTCATGTCTTCTAAAAATTATT
TTGTGAAGCCCCTTCAAAAAAACCTTAAGGGAATCTGATGGTGCTCAGGAATCTAACTCTCCCTAAACCATCC
TCTTTAACTGCTTCTAAAAATATCTCTGTTGGCCTTTCTTAGCCTTTTTCTGTTTCCATTGAGTGTCCAAGCGCT
TTTTGTTTCTAAGTTGAGTGCTTGGGGTTTGACAGGTAGTGACGTGTAGTTTGACACTGTTAACTTGTTAAATAC
AGTGAAGTTTGTGAGTGAAGAATGCTGAGAAGATTGTAATGCTTTGTACAAATAAAAGTCTTGTTAAAAAAA
AAAAAAAAAAAAAAAA

2982/6881
FIGURE 2754

MAERPEDLNLPNAVITRIIKEALPDGVNISKEARSAISRAASVFVLYATSCANNFAMGKRKTLNASDVLSAMEE
MEFQRFVTPLKEALEAYRREQKGKKEASEQKKKDKDKKTDSEEQDKSRDEDNDEDEERLEEEEQNEEEVEVDN

2983/6881
FIGURE 2755A

ACCGGCCACAGCCTGCCTACTGTACCCGCCTCTCCCGCGCGCAGATACACGCCCCCGCCTCCGTGGGCACAAAG
GCAGCGCTGCTGGGGAACTCGGGGGAACGCGCACGTGGGAACCGCCGAGCTCCACACTCCAGGTACTTCTTCCA
AGGACCTAGGTCTCTCGCCCATCGGAAAGAAAATAATTCTTTCAAGAAGATCAGGGACAACCTGATTTGAAGTCTA
CTCTGTGCTTCTAAATCCCCAATTCTGTCTGAAAGTGAGATACCCTAGAGCCCTAGAGCCCCAGCAGCACCAGCC
AAACCCACCTCCACCATGGGGGCCATGACTCAGCTGTTGGCAGGTGTCTTTCTTGCTTTCCCTTGCCCTCGCTACC
GAAGGTGGGGTCTCTCAAGAAAGTCATCCGGCACAAAGCGACAGAGTGGGGTGAACGCCACCCTGCCAGAAGAGAAC
CAGCCAGTGGTGTCTTAACCACGTTTACAACATCAAGCTGCCAGTGGGATCCCAGTGTTCGGTGGATCTGGAGTCA
GCCAGTGGGGAGAAAAGACCTGGCACC GCCTTCAGAGCCAGCGAAAGCTTTCAGGAGCACACAGTGGATGGGGAA
AACCAGATTGTCTTCACACATCGCATCAACATCCCCCGCCGGGCCTGTGGCTGTGCCGCAGCCCCTGATGTTAAG
GAGCTGTCTGAGCAGACTGGAGGAGCTGGAGAACCTGGTGTCTTCCCTGAGGGAGCAATGTACTGCAGGAGCAGGC
TGCTGTCTCCAGCCTGCCACAGGCCGCTTGGACACCAGGCCCTTCTGTAGCGGTCGGGGCAACTTCAGCACTGAA
GGATGTGGCTGTGTCTGCGAACCTGGCTGGAAAGGCCCAACTGCTCTGAGCCCGAATGTCCAGGCAACTGTAC
CTTCGAGGCCGGTGCATTGATGGGCAGTGCATCTGTGACGACGGCTTCACGGGCGAGGACTGCAGCCAGCTGGCT
TGCCCCAGCGACTGCAATGACCAGGGCAAGTGCCTAAATGGAGTCTGCATCTGTTTCGAAGGCTACGCCGGGGCT
GACTGCAGCCGTGAAATCTGCCAGTGCCTGCAGTGGAGGACACGGCACATGTGTAGATGGCTTGTGTGTGTGC
CACGATGGCTTTGCAGGCGATGACTGCAACAAGCCTCTGTGTCTCAACAATTGCTACAACCGTGGACGATGCGTG
GAGAATGAGTGCCTGTGTGATGAGGGTTTCACGGGCGAAGACTGCAGTGAAGTCTATCTGCCCAATGACTGCTTC
GACCGGGGCCGCTGCATCAATGGCACCTGCTACTGCGAAGAAGGCTTCACAGGTGAAGACTGCGGGAAACCCACC
TGCCCCACATGCCTGCCACACCAGGGCCGGTGTGAGGAGGGGAGTGTGTATGTGATGAGGGCTTTGCCGGTGTG
GACTGCAGCGAGAAGAGGTGCTCTGACTGTGACAATCGTGGCCGCTGTGTAGACGGGCGGTGTGAGTGTGAT
GATGGTTTCACTGGAGCTGACTGTGGGGAGCTCAAGTGTCCCAATGGCTGCAGTGGCCATGGCCGCTGTGTCAAT
GGGAGTGTGTGTGTGATGAGGGCTATACTGGGGAGGACTGCAGCCAGCTACGGTGCCCCAATGACTGTTCACAGT
CGGGGCCGCTGTGTGAGGGGCAATGTGTATGTGAGCAAGGCTTCAAGGGCTATGACTGCAGTGACATGAGCTGC
CCTAATGACTGTGACAGCACGGCCGCTGTGTGAATGGCATGTGTGTTTGTGATGACGGCTACACAGGGGAAGAC
TGCCGGGATCGCAATGCCCCAGGGACTGCAGCAACAGGGGCCTCTGTGTGGACGGACAGTGCCTGTGTGAGGAC
GGCTTCACCGGCCCTGACTGTGCAGAACTCTCCTGTCCAAATGACTGCCATGGCCAGGGTGCCTGTGTGAATGGG
CAGTGCCTGTGCCATGAAGGATTTATGGGCAAGAGACTGCAAGGAGCAAGATGTCCAGTGACTGTGATGGCCAG
GGCCGCTGCGTGGACGGCCAGTGCATCTGCCACGAGGGCTTCACAGGCCTGGACTGTGGCCAGCACTCCTGCCCC
AGTGAAGTGCACAACTTAGGACAATGCGTCTCGGGCCGCTGCATCTGCAACGAGGGCTACAGCGGAGAAGACTGC
TCAGAGGTGTCTCCTCCCAAAGACCTCGTTGTGACAGAAGTGACGGAAGAGACGGTCAACCTGGCCTGGGACAAT
GAGATGCGGGTTCACAGAGTACCTTGTCTGTGACACGCCCCACCCAGAGGGTGGTCTGGAAATGCAGTTCCGTGTG
CCTGGGGACAGAGCTCCACCATCATCCAGGAGCTGGAGCCTGGTGTGGAGTACTTTATCCGTGTATTGCCATC
CTGGAGAACAAGAAGAGCATTCTGTGACGCCAGGGTGGCCACGTACTTACCTGCACCTGAAGGCCTGAAATTC
AAGTCCATCAAGGAGACATCTGTGGAAGTGGAGTGGGATCCTCTAGACATTGCTTTTGAAACCTGGGAGATCATC
TTCCGGAATATGAATAAAGAAGATGAGGGAGAGATACCAAAGCCTGAGGAGGCCAGAGACCTCTTACCGGCAA
ACTGGTCTAGCTCCTGGGCAAGAGTATGAGATATCTCTGCACATAGTGAAAAACAATACCCGGGGCCCTGGCCTG
AAGAGGGTGACCACCACACGCTTGGATGCCCCAGCCAGATCGAGGTGAAAGATGTACAGACACCACTGCCTTG
ATCACCTGGTTCAAGCCCCTGGCTGAGATCGATGGCATTGAGCTGACCTACGGCATCAAAGACGTGCCAGGAGAC
CGTACCACCATCGATCTCACAGAGGACGAGAACCAGTACTCCATCGGGAACCTGAAGCCTGACACTGAGTACGAG
GTGTCCCTCATCTCCCGCAGAGGTGACATGTCAAGCAACCCAGCCAAAGAGACCTTCACAACAGGCCTCGATGCT
CCCAGGAATCTTCGACGTGTTTCCCAGACAGATAACAGCATCACCTGGAATGGAGGAATGGCAAGGCAGCTATT
GACAGTTACAGAATTAAGTATGCCCCATCTCTGGAGGGGACCACGCTGAGGTTGATGTTCCAAAGAGCCAACAA
GCCACAACCAAAACCACACTCACAGGTCTGAGGGCCGGGAACCTGAATATGGGATTGGAGTTTCTGCTGTGAAGGAA
GACAAGGAGAGCAATCCAGCGACCATCAACGCAGCCACAGAGTTGGACACGCCCAAGGACCTTCAGGTTTCTGAA
ACTGCAGAGACCAGCCTGACCCTGCTCTGGAAGACACCGTTGGCCAAATTTGACCGCTACCGCTCAATTACAGT
CTCCCCACAGGCCAGTGGGTGGGAGTGCAGCTTCCAAGAAACACCACCTTCTATGTCTGAGAGGCCTGGAACCA
GGACAGGAGTACAATGTCTCTGACAGCCGAGAAAGGCAGACACAAGAGCAAGCCCGCACGTGTGAAGGCATCC
ACTGAACAAGCCCCTGAGCTGGAAAACCTCACCGTGAAGTGGCTGGGATGGCCTCAGACTCAACTGGACC

2984/6881
FIGURE 2755B

GCAGCTGACCAGGCCTATGAGCACTTTATCATTAGGTGCAGGAGGCCAACAAAGGTGGAGGCAGCTCGGAACCTC
ACCGTGCCTGGCAGCCTTCGGGCTGTGGACATACCGGGCTCAAGGCTGCTACGCCCTTATACAGTCTCCATCTAT
GGGGTGATCCAGGGCTATAGAACACCAGTGCTCTCTGCTGAGGCCTCCACAGGGGAAACTCCCAATTTGGGAGAG
GTCGTGGTGGCCGAGGTGGGCTGGGATGCCCTCAAACCTCAACTGGACTGCTCCAGAAGGGGCCCTATGAGTACTTT
TTCATTAGGTGCAGGAGGCTGACACAGTAGAGGCAGCCCAGAACCTCACCGTCCCAGGAGGACTGAGGTCCACA
GACCTGCCTGGGCTCAAAGCAGCCACTCATTATACCATCACCATCCGCGGGGTCCTCAGGACTTCAGCACAAACC
CCTCTCTCTGTTGAAGTCTTGACAGAGGAGGTTCCAGATATGGGAAACCTCACAGTGACCGAGGTTAGCTGGGAT
GCTCTCAGACTGAACTGGACCACGCCAGATGGAACCTATGACCAGTTTACTATTAGGTCCAGGAGGCTGACCAG
GTGGAAGAGGCTCACAACTCTACGGTTCTGGCAGCCTGCGTTCCATGGAAATCCCAGGCCTCAGGGCTGGCACT
CCTTACACAGTCAACCTGCACGGCGAGGTGAGGGGCCACAGCACTCGACCCCTTGCTGTAGAGGTCGTCACAGAG
GATCTCCACAGCTGGGAGATTTAGCCGTGTCTGAGGTTGGCTGGGATGGCCTCAGACTCAACTGGACCGCAGCT
GACAATGCCTATGAGCACTTTGTATTAGGTGCAGGAGGTCAACAAAGTGGAGGCAGCCCAGAACCTCACGTTG
CCTGGCAGCCTCAGGGCTGTGGACATCCCGGGCCTCGAGGCTGCCACGCCTTATAGAGTCTCCATCTATGGGGTG
ATCCGGGGCTATAGAACACCAGTACTCTCTGCTGAGGCCTCCACAGCCAAAGAACCTGAAATTGGAACTTAAAT
GTTTCTGACATAACTCCCAGAGCTTCAATCTCTCTGGATGGCTACCGATGGGATCTTCGAGACCTTTACCATT
GAAATTATTGATTCCAATAGGTTGCTGGAGACTGTGGAATATAATATCTCTGGTGTGAACGAACTGCCCATATC
TCAGGGCTACCCCTAGTACTGATTTTATTGTCTACCTCTCTGGACTTGCTCCCAGCATCCGGACCAAACCATC
AGTGCCACAGCCACGACAGAGGCCCTGCCCTTCTGGAAACCTAACCATTTCCGACATTAATCCCTACGGGTTT
ACAGTTTCTGGATGGCATCGGAGAATGCCCTTTGACAGCTTTCTAGTAACGGTGGTGGATTCTGGGAAGCTGCTG
GACCCCAAGGAATTCACACTTTCAGGAACCCAGAGGAAGCTGGAGCTTAGAGGCCTCATAACTGGCATTGGCTAT
GAGGTTATGGTCTCTGGCTTCACCCAAGGGCATCAAACCAAGCCCTTGAGGGCTGAGATTGTTACAGAAGCCGAA
CCGGAAGTTGACAACCTTCTGGTTTCAGATGCCACCCAGACGGTTTCCGTCTGTCTGGACAGCTGATGAAGGG
GTCTTCGACAATTTTGTCTCAAATCAGAGATACCAAAAAGCAGTCTGAGCCACTGGAAATAACCCCTACTTGCC
CCCGAACGTACCAGGGACATAACAGGTCTCAGAGAGGCTACTGAATACGAAATTGAACTCTATGGAATAAGCAAA
GGAAGGCGATCCCAGACAGTCAGTGCTATAGCAACAACAGCCATGGGCTCCCCAAAGGAAGTCATTTTCTCAGAC
ATCACTGAAAATTCGGCTACTGTGCTGAGGAGGACCCACAGCCCAAGTGGAGAGCTTCCGGATTACCTATGTG
CCCATTACAGGAGGTACACCTCCATGGTAACTGTGGACGGAACCAAGACTCAGACCAGGCTGGTGAAACTCATA
CCTGGCGTGGAGTACCTTGTGAGCATCATCGCCATGAAGGGCTTTGAGGAAAGTGAACCTGTCTCAGGGTCATT
ACCACAGCTCTGGATGGCCCATCTGGCCTGGTGACAGCCAACATCACTGACTCAGAAGCCTTGCCAGGTGGCAG
CCAGCCATTGCCACTGTGGACAGTTATGTATCTCTACACAGGCGAGAAAGTGCCAGAAATTACACGCACGGTG
TCCGGGAACACAGTGGAGTATGCTCTGACCGACCTCGAGCCTGCCACGGAATACACACTGAGAATCTTTGCAGAG
AAAGGGCCCCAGAAAGAGCTCAACCATCACTGCCAAGTTCAACAACAGACCTCGATTCTCCAAGAGACTTGACTGCT
ACTGAGGTTGAGTCGGAAACTGCCCTCCTTACCTGGCGACCCCCCGGGCATCAGTACCGGTTACCTGCTGGTC
TATGAATCAGTGGATGGCACAGTCAAGGAAGTCATTGTGGGTCCAGATACCACCTCCTACAGCCTGGCAGACCTG
AGCCCATCCACCCACTACACAGCCAAGATCCAGGCACTCAATGGGCCCCCTGAGGAGCAATATGATCCAGACCATC
TTCACCACAATTGGACTCCTGTACCCCTTCCCCAAGGACTGCTCCCAAGCAATGCTGAATGGAGACACGACCTCT
GGCCTCTACACCATTATCTGAATGGTGATAAGGCTGAGGCGCTGGAAGTCTTCTGTGACATGACCTCTGATGGG
GGTGGATGGATTGTGTTCTGTGAGACGCAAAAACGGACGCGAGAATTTCTACCAAAACTGGAAGGCATATGCTGCT
GGATTTGGGGACCGCAGAGAAGAATTCTGGCTTGGGCTGGACAACCTGAACAAAATCACAGCCCAGGGGCAGTAC
GAGCTCCGGGTGGACCTGCGGGACCATGGGGAGACAGCCTTTGCTGTCTATGACAAGTTTACGCTGGGAGATGCC
AAGACTCGCTACAAGCTGAAGGTGGAGGGGTACAGTGGGACAGCAGGTGACTCCATGGCCTACCACAATGGCAGA
TCCTTCTCCACCTTTGACAAGGACACAGATTGAGCCATCACCAACTGTGCTCTGTCTACAAAGGGGCTTTCTGG
TACAGGAAGTGTACCGTGTCAACCTGATGGGGAGATATGGGGACAATAACCACAGTCAGGGCGTTAACTGGTTC
CACTGGAAGGGCCACGAACACTCAATCCAGTTTGTGCTGAGATGAAGCTGAGACCAAGCAACTTCAGAAATCTTGAA
GGCAGGCGCAACGGGCATAAATTCAGGGGACCACTGGGTGAGAGAGGAATAAGGCCAGAGCGAGGAAAGGATT
TTACCAAAGCATCAATACAACAGCCCAACCATCGGTCCACACCTGGGCATTTGGTGAGAGTCAAAGCTGACCAT
GGATCCCTGGGGCCAACGGCAACAGCATGGGCCCTCACCTCCTCTGTGATTTCTTTCTTTGCACCAAAGACATCAG
TCTCCAACATGTTTCTGTTTGTGTTTGTGATTGATTGAGCAAAAATCTCCAGTGACAACATCGCAATAGTTTTTACT

2985/6881
FIGURE 2755C

TCTCTTAGGTGGCTCTGGGAATGGGAGAGGGGTAGGATGTACAGGGGTAGTTTGTTTTAGAACCCAGCCGTATTTT
ACATGAAGCTGTATAATTAATTGTCATTATTTTTGTTAGCAAAGATTAAATGTGTCATTGGAAGCCATCCCTTTT
TTTACATTTTCATACAACAGAAACCAGAAAAGCAATACTGTTTCCATTTTAAGGATATGATTAATATTATTAATAT
AATAATGATGATGATGATGATGATGAAAATAAGGATTTTTCAAGAGATCTTTCTTTCCAAAACATTTCTGGACAGTA
CCTGATTGTATTTTTTTTTTTTAAATAAAAGCACAAAGTACTTTTG

2986/6881
FIGURE 2756

TTCAGATGTATGTTTATGTTTCTGACCTTGCGCTACCCCAGTGCAGGCTCCAAACAGGCATGCGAGGTGCCTTTG
GAAAGCCCCAGGGCACTGTGACCAGGGTTCACATTGGCCAAGTTATCATGTCCATCCACACCAAGCTGCAGAACA
AGGAGCATGTAATTGAGGCCCTGCGCAGGGCCAAGTTCAAGTTTCCTGGCCACCAGAAGATCCGCATCTCAAAGA
AGTGGGGCTTCACCAAGTTCAATGTTGATGAATTTGAAGACATGGTGGCTGAGAAGCAGCTCATCCCTGATGGCT
GTGGGGTCAAGTACATCCCCAGTCGTGGCCCTCTGGACAAGTGGCGGGGCCCTGCACTCATGAGGGCTTCCACTGT
GCTGCCCCCTCTTAATACTCACCAATAAATTCTACTTCCTGTCC

2987/6881
FIGURE 2757

TCCCTTCAGCCGCCATCATGATTATCTACCAGGACCTCATCAGTCACAATGAGATGTTCTCCGACATCTAGAAGA
TCTGGGAGATTGTGGACGGGCTGTGCTGGGAGGTGGTGGGGAAAATGGTCAGTAGGACAGAAGGTAACATTGATG
ACTCGCTCATTGGTGGAATGTCTCCGCTGAAGGCCCGAGGGTGAAGGTACCGAAAGCACAGTAATCACTGCTG
TCGATGTTGTCATGAACCATCACCTGCAGGAAACAAGTTTCACAAAAGAAGCCCACAAGAAGTACATCAAAGATT
ACATGAAATCAATCAAAGGCCAAACTTGAAGAACTGAGACCAGAAAGAGTAAAACCTTTTATGACAGGGGCTGCAG
AACAAATCAAGCACATCCTTGCTAATTTCAAAAACCTACCATTTCTTTATTGGTGAAAACATGAATCCAGATGGCA
TGGTTGCTCTACTGGACTACGGTGAGGATGGTGTGACCCCATATATGATTTTCTTTAGGGATGGTTTAGAAACGG
AAAAATGTTAACAAATTTGGCAATTAGTTTGGATCTATTACCTGTCATCATAACTCGCTTCTAATTGTCATCCAC
ACAACACCAGGACCTAAGACAAATGGGACTAATATCATCTTGAGCTCTTCATTTATTTTTACCATAATTTATTG
GAGTGGAGGCATTGTTTTTAAGAAAAACATGTCATGTAGGTTGTCTAAAAATAAAATGCATTTTAACTCATTG
GAGAATACCTTTTCGTTTAATGCATATTTAACTAAATTCATCCTGTTGTGTTCCCTGGAGAAGCTACAGCCTGGT
CATAAGCTACTACTAGAAAGAGTAAGACTCATCAATTAACCTTCTACAGTGGAAGTACTTCTGGGACTGGAATAT
ACAAAAAAAATCAAAGGTTTTGATTGTGTGTTGCAATAAAGGGAAAGACCATGTTTCATAGCAGTGCCAACATCTG
AAGTGGAGCTTTACGCATTTTCATCACCTACAATGGAATTAGTTAACTGGAAGAGATTACCAAGAGAATAAAAAGA
GACGAATTCAGCTGGAAAAAAAAAA

2988/6881
FIGURE 2758

MVSRTEGNIDDSLIGGNVSAEGPEGEGTESTVITAVDVVMNHLQETSFTKEAHKKYIKDYMKSIGKLEELRPE
RVKPFMTGAAEQIKHILANFKNYHFFIGENMNPDMVALLDYGEDGVTPYMIFFRDGLETEKC

2989/6881
FIGURE 2759A

AGGTTGAAGAACTTAACTCTGAAATTGAAAAGCTCAGTGCTGCCTTTGCTAAAAGCCAGAGAGGCCCTACAGAAAG
CACAGACCCAGGAATTTTCAGGGGTCTGAAGACTATGAGACTGCTCTATCAGGAAAAGGAAGCCCTTTTCGGCTGCGC
TGCGCTCACAAAACCTCACCAAGAGTACAGAGAACCACAGACTGCGTAGAAGCATTAAAGAAGATCACCCAGGAGC
TGAGTGACTTGAGCAGGAGAGAGGGAGAGACTGGAGAAGGACCTGGAGGAAGCCCATCGAGAGAAGAGCAAAGGAG
ACTGCACCATCCGTGATCTTAGAAATGAAGTTGAAAAATTACGCAATGAAGTGAATGAAAGAGAGAAAAGCAATGG
AAAATCGTTACAAGAGTCTTCTGAGTGAAAGCAATAAAAAATTGCACAATCAAGAGCAAGTGATCAAACATCTAA
CAGAAAGTACCAATCAGAAGGACGTGTTGCTTCAGAAATTCATGAAAAAGATTTGGAAGTAATACAGCAGAACT
GCTATTTAATGGCTGCAGAGGATCTTGAGCTCAGGAGTGAAGGCTTAATAACAGAAAAGTGCTCTTCTCAACAGC
CACCAGGCAGCAAAAACCATCTTCTTAAGGAAAAGAAACAATCATCAGACTATGAAGAGCTGATTGAGGTCTTAA
AGAAAGAGCAGGACATCTATACCCATCTGGTCAAATCTCTGCAGGAATCAGACAGTATCAACAACCTGCAGGCTG
AGTTAAACAAGATTTTTCCTGCGGAAGCAACTGGAGCAGGATGTGCTTTCATATCAGAATTTGCGGAAGACCT
TGGAGGAGCAGATCAGCGAAATTCGGAGGCGGGAAGAAGAATCATTTTCACTTTATAGTGATCAAACATCTTATC
TAAGTATTTGCCTTGAAGAAAACAATCGGTTTTCAAGTGAACATTTTCTCAAGAAGAACTTAAGAAAAAGGTCA
GTGACCTTATACAGCTAGTGAAGGAGCTGTATACAGACAACCAGCACCTGAAGAAAACCATTTTTTGATCTCTCCT
GCATGGGTTTTCCAGGGAATGGGTTTTCCAGATAGACTTGCGTCTACAGAACAAACAGAGCTTCTGGCTAGCAAGG
AGGACGAGGACACGATCAAAATTGGGGAGGATGACGAGATTAATTTCTGAGTGACCAGCATTTGCAGCAGAGTA
ATGAGATTATGAAAGACCTTTCCAAAGGAGGCTGCAAAAATGGATACTTAAGGCACACGGAGTCTAAGATTTTCAG
ATTGTGATGGGGCCCACGCACCTGGCTGCCTAGAAGAAGGTGCATTCATAAACCTGCTTGCCCCCTTTGTTCAATG
AGAAGGCCACATTATTACTGGAATCCAGGCCAGACCTTCTGAAAGTGGTACGGGAAGTCTTCTGGGACAACCTAT
TCTTGACAGAGCAGGAAGTTTTCTGGAGAACACCTTGATGGTAAAAGTGAAGACACCTAAGCAAAAAGGTGAAC
TTGTACATTTTGTCCAAACCAACTCATTTTCCAAAGCCACATGATGAACTGAAGTTGTCTTGTGAGGCCAGCTAG
TAAAGGCAGGCGAAGTGCCCAAGGTAGGACTGAAAGATGCCTCAGTGACAGCTGTGGCCACGGAGGGCGACCTGC
TGAGATTCAAGCATGAAGCAACAAGAGAGGCTTGGGAAGAGAAAACCGATCAACACTGCAGCTCAGCGCAGAGCATC
GGCCAGAGAACCTGCACGGGGTGCTGGGTGGCAGGCTGCCCTCCTTTCCCTCCCTGGTATTACCAACAGAGAGG
CTAAGAAGTCCCGCTTGCCAATCCTAATAAAACCATCCCGGTCATTAGGAAATATGTATCGTCTCCCTGCCACCC
AGGAGGTGGTGACGCAGCTGCAGAGCCAGATCTTGAGCTGCAGGGGGAGCTGAAGGAGTTTAAAACCTTGTAATA
AGCAACTTCACCAAAAGTTAATTCTGGCTGAAGCAGTGATGGAGGGGAGGCCAACGCCCGACAAAACGTTGCTGA
ATGCTCAGCCCCCTGTGGGAGCAGCCTACCAGGACAGCCCAGGAGAGCAGAAAGGAATTAAAACCATCTTCTG
TCTGGAGAGACAAGGAAATGGACAGTGATCAGCAAGAAGCTACGAGATTGACTCTGAGATTTGCCACCTGATG
ACCTTGCCAGCTTGCCATCATGCAAGAAAATCCTGAAGATGTTCTGAGCCCAACTTCAGTAGCTACTTACCTGA
GTTCCAAGAGTCAGCCTTCTGCTAAAGTCAGTGTGATGGGGACTGATCAGTCAGAGAGCATTAAATACCTCAAATG
AGACAGAATACTTAAAACAGAAAATCCATGACTTGGAAGCTGAGCTGGAAGGCTACCAGAATTTTATATTTTACG
TTCAAAAGCACTCCCAGTGAGTGAGGCCATAATTACAGTTTTGTGTGGGACAGAAGGGGCCAGGATGGCTTGA
GCAAGCCCAAGAAATGGTTCTGATGGGGAAGAAATGACCTTTTCAAGTTTGACCAAGTGCAGTACGTGAAACACG
TGAAAATCCTCGGTCCGCTGGCCCCAGAGATGATTGACAGCAGGGTGCTGGAGAACCTCAAACAGCAGCTGGAGG
AACAGGAATACAAGCTGCAGAAGGAGCAGAATTTGAACATGCAACTTTTCAGTGAGATCCATAATCTGCAGAATA
AGTTCAGAGATCTCTCACCTCCAGATACGATTTCATTAGTTTCAGTCCCAAGCCAGGGAGCTCTCCCTTCAACGGC
AGCAGATTAAGGATGGCCATGGCATCTGTGTATCTCCCGTCAACACATGAACACCATGATTAAGGCATTTGAGG
AGTTGCTGCAGGCCAGTGATGTGGATTACTGTGTGGCCGAGGGTTTCCAGGAACAGCTGAATCAATGTGCTGAGC
TGCTGGAGAAATTGGAAAAGCTATTTCTCAACGGAATAATCAGTTGGAGTGGAATGAACACCCAGAATGAACTGA
TGGAGAGGATTGAGGAAGACAACCTAACCTACCAACATCTTCTGCCTGAATCTCCTGAGCCTTCAGCCTCTCATG
CGCTCTCTGATTATGAAACATCTGAAAAGTCCTTCTTCTCACGAGACCAGAAGCAAGATAATGAGACAGAGAAGA
CTTCAGTTATGGTGAACAGTTTTTCTCAAGACTTACTAATGGAACACATACAGGAAATTCGAACCTTGAGAAAGC
GTTTAGAAGAATCTATTAAAACAAATGAGAAGCTACGGAAACAGTTGGAACGGCAAGGATCTGAATTTGTTCAAG
GTTCTACAAGCATTTTTTGCTTCTGGTTTCAGAGCTTCATAGTTCTCTAACATCAGAAATTCATTTCTTGAGGAAGC
AGAACCAGGCCCTCAATGCAATGCTCATTAAAGGATCCAGAGATAAACAGAAAGGAGAAATGACAAATTACGAGAGT
CCCTCTCCAGGAAGACCGTGAGCCTGGAGCACCTTCAGCGGGAGTATGCCAGCGTGAAGGAAGAAAATGAAAGGC
TGCAGAAAAGAGGCAGCGAGAAGGAGAGACACAACCAGCAGCTGATCCAGGAGGTCCGCTGCAGCGGCCAGGAGC

2990/6881
FIGURE 2759B

TGAGCAGGGTGCAGGAGGAGGTGAAGTTGAGGCAGCAGCTGCTCTCACAGAATGACAAGCTATTGCAGTCTCTCC
GAGTGGAGCTGAAGGCGTATGAGAAGCTGGATGAAGAGCACAGGAGACTGAGAGAGGCGTCGGGAGAAGGCTGGA
AGGGGCAGGATCCTTTTCAGGGACCTGCACAGCCTCCTGATGGAGATCCAGGCTCTGCGCTTGCAACTAGAAAAGGA
GCATCGAAACCAGCAGCACTCTGCAGAGCAGGCTCAAGGAACAGCTGGCAAGGGGGGCAGAGAAGGCACAGGAAG
GAGCCCTCACTCTGGCTGTCCAAGCCGTGTCCATCCCCTGAGGTGCCCTTCAGCCTGACAAAACACGATGGTGACA
AATATCCCATGGAAAGTGATAATTCATTTGATCTGTTTGATTCCCTCCCAGGCAGTGACACCAAAATCAGTTTCAG
AGACTCCTCCACTCTCTGGGAATGACACGGACTCCCTCTCCTGCGACAGTGGCAGTTTCGGCAACTAGCACTCCGT
GTGTGTCCCGCCTGGTCACTGGCCACCACCTGTGGGCCAGCAAGAATGGCCGCCATGTCTCTGGGCCTGATTGAGG
ACTATGAGGCCCTGCTCAAACAGATCAGCCAGGGACAGAGGCTCCTTGCTGAAATGGACATTCAAACCCAAGAGG
CTCCCAGCTCCACAAGTCAAGAGCTGGGAACAAAGGGTCCACACCAGCACCCTGAGCAAGTTTGTGAGCAGTG
TGAGCACGGCCAAGCTGACCCTGGAAGAGGCCTACAGGCGGCTGAAGCTTCTCTGGAGAGTCTCACTCCCCGAGG
ATGGCCAGTGCCCCCTTCACTGTGAGCAGATTGGAGAAATGAAGGCAGAGGTCACCAAACCTACATAAAAAATTGT
TTGAACAAGAAAAGAAGTTGCAAAACACCATGAAGCTTTTGCAGCTGAGCAAGCGCCAGGAAAAAGTCATCTTTG
ATCAATTGGTCGTAACCCACAAAATCCTTCGGAAGGCCAGAGGAAACCTGGAGCTTAGGCCTGGGGGAGCCCATC
CAGGAACATGCAGTCCCAGCAGACCAGGCTCCTGAGAAGAACTTTTCAGCCAATAAAGCTTGTGCTTCCCCCACC
AGCTCACGCTGTCTCTTTGTTCCAAGTGTGGTTCCCTATTTATTGAGGAAGAAAGAGCTGTCTGGCCAAAGGAAAT
CTATTTTTTCCCTTCATGTTTTCTCTCTGAAAGTTGGCTTGAGAGTTGTTGTCAGAAAGGTGCAGGTGCTCCACA
AACGGGTGGTAAAAAGGCCTCGAGCTCTTGATGTTGTATTTTCAGATCAGGGGCAGGCACCGGAGTTGAGGCTGT
GCGCCTTGGTGGGCTTCACGTCTTCCCCTGGATTTGCTTAGTACTCAGCCAGTGCCACAGTTTGAAGATTCTCAT
TAAATGATTCATTTCAATTCACCTTG

FIGURE 2760

GGTGTGTGCGGAACATGGCGGAGCGCGGCAGGAAGCGGCCGTGCGGCCCGGGTGAACACGGCCAAAGGATTGAGT
GGCGAAAAATGGAAGCAACAGAAAGAAAAGAGGAGAAAAAAAATGGAAGGATCTCAAGCTGATGAAAAAACTGGAGC
GGCAGCGGGGCACAGGAGGAACAGGCAAAAGCGCCTGGAAGAGGAGGAGGCAGCGGCAGAGAAGGAGGACCGCGGGC
GGCCCTACACACTGAGCGTAGCCCTGCCGGGCTCCATCCTGGACAATGCTCAGTCGCCGGAGCTTCGCACCTACT
TGGCCGGTCAGATTGCCAGAGCCTGTGCCATCTTCTGTGTGGATGAGATCGTGGTGTTTGATGAGGAGGGCCAGG
ATGCCAAGACTGTGGAGGGGGAATTACAGGAGTTGGGAAGAAGGGGCAGGCGTGCGTACAGCTGGCCCCGGATCC
TGCAGTACCTGGAGTGTCCACAGTACCTGAGGAAGGCGTTCTTCCCCAAGCACCAGGATCTACAGTTTGCAGGGC
TCCTGAACCCCTGGACAGCCCCACCACATGCGTCAGGATGAGGAATCCGAGTTCCGAGAGGGCATCGTGGTGG
ATCGGCCCCACCCGGCCAGGCCACGGCTCCTTTGTCAACTGTGGCATGAAAAAGGAGGTGAAGATTGACAAGAACC
TGGAGCCCCGGGCTTCGGGTGACTGTGCGACTGAACCAGCAGCAGCACCAGACTGCAAGACCTACCATGGCAAAG
TGGTATCATCGCAGGACCCTCGCACCAAAGCTGGTCTCTACTGGGGCTACACCGTCCGACTGGCTTCCTGCCTCA
GTGCTGTGTTTGCTGAGGCCCCCTTCCAAGATGGGTATGACCTGACCATCGGGACGTCAGAGCGCGGCTCAGATG
TGGCCTCTGCCAGCTTCCCAACTTCAGGCATGCTCTTGTGGTGTTGGGGGCTCCAGGGTCTGGAAGCTGGAG
CGGATGCTGACCCCAACCTGGAGGTGGCTGAACCCAGTGTCTCTTTGACCTGTACGTCAATACCTGTCTTGCC
AGGGTAGCCGTACCATCCGCACGGAGGAAGCCATCCTCATCTCCCTGGCCGCCCTGCAGCCTGGCCTCATCCAGG
CGGGTGCCCGGCACACCTGAAAGTTCTAAGGGGCCGAGGACATCAGTGAAGCAGCAGTGAACCAGGGGCTCTGC
AGGTCACTTGGGACGGACGCCACCAGACTTGTCTCC

2992/6881
FIGURE 2761

GGCACGAGGCTGGGTTCCGAGGCCCAAGCCCTTGGCAGTGTTTGTGAGTGGAAGGGAGGTCACGCTATCGTCCGC
GGCCCCAGCAGCCCTGTGCCCTCGTTGGATCCCGCGACGCGGCTCCTTTAAGAGCCTCGCGGGTCGCCCCGCCGCT
AGGTCGCTCCCCGGCCATGCGGGCGCTGCGGGCCGGCCTGACCCTGGCGTCGGGCGCGGGGCTGGGTGCGGTTCGT
CGAGGGCTGGCGGCGGCGGGGAGGACGCGCGGGCGGCGCTGGGACTGCTGGGCCGGCTGCCCGTGCTGCCCGT
GGCGGCGGCAGCCGAGTTGCCCCCTGTGCCCGGGGACCCGCGGCCCGGGCGAGTTGGCCAAGTACGGGCTGCC
GGGGCTGGCGCAGCTCAAGAGCCGCGAGTCGTACGTGCTGTGCTACGACCCGCGCACCCGCGGCGCGCTCTGGGT
GGTGGAGCAGCTGCGACCCGAGCGTCTCCGCGGCGACGGCGACCGGCGCGAGTGCAGCTTCCGCGAGGACGACTC
GGTGACGCGTACCACCGTGCCACCAACGCCGACTACCGCGGCAGTGGCTTCGACCGCGGTACCTGGCCGCCGC
CGCCAACCACCGCTGGAGCCAGAAGGCCATGGACGACACGTTCTACCTGAGCAAAGTCGCGCCCCAGGTGCCCCA
CCTCAACCAGAATGCCTGGAACAACCTGGAGAAATATAGCCGCAGCTTGACCCGCAGCTACCAAAACGTCTATGT
CTGCACAGGGCCACTCTTCCTGCCCAGGACAGAGGCTGATGGGAAATCCTACGTAAAGTACCAGGTCATCGGCAA
GAACCACGTGGCAGTGCCACACACTTCTTCAAGGTGCTGATCCTGGAGGCAGCAGGTGGGCAAATTGAGCTCCG
CACCTACGTGATGCCAACGCACCTGTGGATGAGGCCATCCCACTGGAGCGCTTCCTGGTGCCCATCGAGAGCAT
TGAGCGGGCTTCGGGGCTGCTCTTTGTGCCAAACATCCTGGCGGGGAGGCAGCCTCAAGGCCATCACGGCGGG
CAGTAAGTGAGGGTGGAGCCAGTGAGACTGTGGGTGTGTGCAGGCCGGGGAGTATTAAAGGTGGTGATTTTGG
AAAAAAA

2993/6881
FIGURE 2762

MRALRAGLTILASGAGLGAVVEGWRRRRREDARAALGLLGRLPVLPVAAAAELPPVPGGPRGPGELAKYGLPGLAQL
KSRESYVLCYDPRTRGALWVVEQLRPERLRGDGDRRECDFREDDSVHAYHRATNADYRGSGFDRGHLAAAAANHRW
SQKAMDDTFYLSKVAPQVPHLNQNAWNNLEKYSRSLTRSYQNVYVCTGPLFLPRTEADGKSIVKYQVIGKNHVAV
PTHFFKVLILEAAGGQIELRTYVMPNAPVDEAIPLERFLVPIESIERASGLLFVFNILARAGSLKAITAGSK

2994/6881
FIGURE 2763

GGCACGAGGCCGGGCGGAGGCGATGGCGCCCTGGGCGCTCCTCAGCCCTGGGGTCCTGGTGCGGACCGGGCACAC
CGTGCTGACCTGGGGAATCACGCTGGTGCTCTTCTGCACGATACCGAGCTGCGGCAATGGGAGGAGCAGGGGGA
GCTGCTCCTGCCCCTCACCTTCCTGCTCCTGGTGCTGGGCTCCCTGCTGCTCTACCTCGCTGTGTCACTCATGGA
CCCTGGCTACGTGAATGTGCAGCCCCAGCCTCAGGAGGAGCTCAAAGAGGAGCAGACAGCCATGGTTCCCTCCAGC
CATCCCTCTTCGGCGCTGCAGATACTGCCTGGTGCTGCAGCCCCTGAGGGCTCGGCACTGCCGTGAGTGCCGCCG
TTGCGTCCGCCGCTACGACCACCACTGCCCCTGGATGGAGAACTGTGTGGGAGAGCGCAACCACCACTCTTTGT
GGTCTACCTGGCGCTGCAGCTGGTGGTGCTTCTGTGGGGCCTGTACCTGGCATGGTCAGGCCTCCGGTTCTTCCA
GCCCTGGGGTCTGTGGTTGCGGTCCAGCGGGCTCCTGTTCGCCACCTTCCTGCTGCTGTCCCTCTTCTCGTTGGT
GGCCAGCCTGCTCCTCGTCTCGCACCTCTACCTGGTGGCCAGCAACACCACCACCTGGGAATTCATCTCCTCACA
CCGCATCGCCTATCTCCGCCAGCGCCCCAGCAACCCCTTCGACCGAGGCCTGACCCGCAACCTGGCCCCACTTCTT
CTGTGGATGGCCCTCAGGGTCCTGGGAGACCCTCTGGGCTGAGGAGGAGGAAGAGGGCAGCAGCCCAGCTGTTTA
GGGTTGCTGGAGGCCGGGCTACCGTCTTGTGCCTGAAAAACACGGGGCCTGTCCCCAGCTGGGGTGAGCGCTCAG
AGGGCCTGGGGCCCTCACTCCTGCCACGCCTCCCAGACCCAGAACGGAGCTTCAAGTCAGACAGATCCCTGCC
TTGGTGGGCAGTTCTGCCTTCCAAGGAAGAAGGGGAAGAAAAGGACCTGTGGGTGGCTCAGGCCCAAGCAGACCC
CGGGCTCCACCCAGCCCCGCCAGGCTGCTGCCAGTGACACTTTTACAAATTTAATATAAAGCAAGTCCAGTC
TTAAAAAGACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

2995/6881
FIGURE 2764

MAPWALLSPGVLVRTGHTVLTWGITLVFLHDTLRLQWEEQGELLLPLTFLLLVLGSLLLYLAVSLMDPGYVNVQ
PQPQEEELKEEQTAMVPPAIPLRRCRYCLVLQPLRARHCRECRRCVRRYDHHCPWMENCVGERNHPLFVVYLALQL
VLLWGLYLAWSGLRFFQPWGLWLRSSGLLFATFLLLSLFSLVASLLLVSHLYLVASNTTWEFISSHRIAYLRQ
RPSNPFDRGLTRNLAHFFCGWPSGSWETLWAEIEEEEGSSPAV

2996/6881
FIGURE 2765

CATGTCGGCGCCGCGCGGCCAAAGTCAGTAAAAAGGAGCTCAACTCCAACCACGACGGGGCCGACGAGACCTCAGA
AAAAGAACAGCAAGAAGCGATTGAACACATTGATGAAGTACAAAATGAAATAGACAGACTTAATGAACAAGCCAG
TGAGGAGATTTTGAAAGTAGAACAGAAATATAACAACTCCGCCAACCATTTTTTTCAGAAGAGGTCAGAATTGAT
CGCCAAAATCCCAAATTTTTGGGTAACAACATTTGTCAACCATCCACAAGTGTCTGCACTGCTTGGGGAGGAAGA
TGAAGAGGCACTGCATTATTTGACCAGAGTTGAAGTGACAGAATTTGAAGATATTAAATCAGGTTACAGAATAGA
TTTTTATTTTGATGAAAATCCTTACTTTGAAAATAAAGTTCTCTCCAAAGAATTTTCATCTGAATGAGAGTGGTGA
TCCATCTTCGAAGTCCACCGAAAATCAAATGGAAATCTGGAAAGGATTTGACGAAACGTTTCGAGTCAAACGCAGAA
TAAAGCCAGCAGGAAGAGGCAGCATGAGGAACCAGAGAGCTTCTTTACCTGGTTTACTGACCATTCTGATGCAGG
TGCTGATGAGTTAGGAGAGGTCATCAAAGATGATATTTGGCCAAACCCATTACAGTACTACTTGGTTCCCGATAT
GGATGATGAAGAAGGAGAAGGAGAAGAAGATGATGATGATGATGAAGAGGAGGAAGGATTAGAAGATATTGACGA
AGAAGGGGATGAGGATGAAGGTGAAGAAGATGAAGATGATGATGAAGGGGAGGAAGGAGAGGAGGATGAAGGAGA
AGATGACTAAATAGAACACTGATGGATTCCAACCTTCTTTTTTAAATTTTCTCCAGTCCCTGGGAGCAAGTTG
CAGTCTTTTTTTTTTTTTTTTTTTTTTCCCTCTTGCTCAGTCGCCCTGTTCTTGAGGTCTCTTTTCTCTAC
TCCATGGTTCTCAATTTATTTGGGGGAAATACCTTGAGCAGAATACAATGGGAAAAGAGTCTCTACCCCTTTCT
GTTCTGAAGTTTCAATTTATCCCTTCCTGTCTGAACAAAACTGTATGGAATCAACACCACCGAGCTCTGTGGGAA
AAAAGAAAACCTGCTCCCTTCGCTCTGCTGGAAGCTGGAGGGTGTAGGCCCTGTGTAGTAGTGCATAGAATT
CTAGCTTTTTTCTCCTTTCTCTGTATATTGGGCTCAGAGAGTACACTGTGTCTCTATGTGAATATGGACAGTTA
GCATTTACCAACATGTATCTGTCTACTTTCTCTTGTTTAAAAAAGAAAAAAAACCTTAAAAAATGGGGTTATA
GAAGGTCAGCAAAGGGTGGGTTGAGATGTTTGGGTGGGTTAAGTGGGCATTTTGACAACATGGCTTCTCCTTTG
GCATGTTTAATTGTGATATTTGACAGACATCCTTGCAGTTTAAGATGACACTTTTAAATAAATTCTCTCCTAAT
GATGACTTGAGCCCTGCCACTCAATGGGAGAATCAGCAGAACCTGTAGGATCTTATTTGGAATTGACATTCTCTA
TTGTAATTTTGTTCTGTTTATTTTAAATTTTCTTTTTGTTTCACTGGAAAAGGAAAGATGATGCTCAGTTTTAA
ACGTTAAAAGTGTAAGTTGCTTTGTTACAATAAACTAAATGTGTACACAAAGGATTTGATGCTTTTCTCTCA
GCATAGGTATGCTTACTATGACCTTCCAAGTTTGACTTGTATAACATCACTGTCAAACCTTTGTACCCTAACTTC
GTATTTTTTGATACGCACCTTTGCAGGATGACCTCAGGGCTATGTGGATTGAGTAATGGGATTTGAATCAATGTAT
TAATATCTCCATAGCTGGGAAAACGTGGGTTCAATTTGCCATTGGTTTCTGAAAGTATTCACATCATTTGGGATAC
CAGATAGCTCAATACTCTCTGAGTACATTGTGCCCTTGATTTTTATCTCCAAGTGGCAGTTTTTAAAATTGGCCT
TTTACCTGGATATAAATTAATTGTGCCTGCCACCACCATCCAACAGACCTGGTGCTCTAATGCCAAGTTATACAC
GGGACAGTTGCTGGCATGTCTTCATTGGCTATATAAAATGTGGCCAAGAAGATAGGCTCTCAGTAAGAAGTCTGA
TGGTGAGCAGTAACTGTCCCTGCTTTCTGGTATAAAGCTCTCAAATGTGACCATGTGAATCTGGGTGGGATAATG
GACTCAGCTCTGTCTGCTCAATGCCATTGTGTCAGAGAAGCACCCCTAATGCATAAGCTTTTTAATGCTGTAAAATA
TAGTCGCTGAAATTAATGCCACTTTTTTCAGAGGTGAATTAATGGACAGTCTGGTGAACCTTCAAAGCTTTTTGA
TGTATAAACTTGATAAATGGAATATTCCATCAATAGGCAAAAGTGTAACAACCTATCTAGATGGATAGTATGT
AATTTCTGCACAGGTCTCTGTTTAGTAAATACATCACTGTATACCGATCAGGAATCTTGCTCCAATAAAGGAACA
TAAAGATTT

2997/6881
FIGURE 2766

GGCGGCGTAGGGGCGGAGGTCGCGCCTGAGTGCCTCCGCACGAGAGGGCGGAACCGTCTCCATGGCAACCCGCGC
GCAGCCGGGGCCACTCAGCCAGGCGGGAAGCGCTGGTGTTCGGGCGCTGGCGACAGTCGGGGTTGCGAGCGGGCC
GGGGCCGGGGCGGCCAGGGCCGCTGCAGGACGAGACCCTGGGTGTGGCGTCCGTGCCCTCGCAGTGGAGGGCCGT
CCAGGGCATCCGCTGGGAGACGAAAAGTTGCCAGACGGCCAGCATTGCCACTGCCAGTGCATCCGCCCAGGGCCAG
GAATCATGTGGACGCCCAGGTGCAGACGGAGGCCCCCGTGCCTGTCAGCGTGCAGCCCCCGTCCCAGTATGACAT
ACCCAGGCTCGCAGCCTTTCTTCGGAGAGTGGAGGCCATGGTTCATCCGAGAGCTGAACAAGAATTGGCAGAGCCA
CGCGTTTGATGGCTTCGAGGTGAACTGGACCGAGCAGCAGCAGATGGTGTCTTGTCTGTATACCTTGGGCTACCC
GCCAGCCCAAGCGCAGGGTCTGCATGTGACCAGCATCTCCTGGAACCTCCACTGGCTCTGTGGTGGCCTGTGCCTA
CGGCCGGCTGGACCATGGGGACTGGAGCACGCTTAAGTCTTCGTGTGTGCTGGAACTGGACCGGCGAGACCT
GCGTCCCCAGCAGCCGTGCGCCGTGGTGGAGGTCCCCAGCGCTGTCTGTGTCTGGCCTTCCACCCACGCAGCC
CTCCACGTCGCAGGAGGGCTGTACAGTGGTGAGGTGTTGGTGTGGGACCTGAGCCGTCTTGAGGACCCGCTGCT
GTGGCGCACAGGCCTGACGGATGACACCCACACAGACCCTGTGTCCCAGGTGGTGTGGCTGCCCCAGCCTGGGCA
CAGCCACCGCTTCCAGGTGCTGAGTGTGGCCACCGACGGGAAGGTGCTACTCTGGCAGGGCATCGGGGTAGGCCA
GCTGCAGCTCACAGAGGGCTTCGCCCTGGTTCATGCAGCAGCTGCCACGGAGCACCAGCTCAAGAAGCATCCCCG
CGGGGAGACCGAGGTGGGCGCCACGGCAGTGGCCTTCTCCAGCTTTGACCCTAGGCTGTTCAATCTGGGCACGGA
AGGCGGCTTCCCGCTCAAGTGTTCCTGGCAGCTGGAGAGGCAGCCCTCACGCGGATGCCAGCTCCGTGCCCT
GCGGGCCCCAGCACAGTTTACCTTCTCCCCCACGGCGGTCCCATCTACTCTGTGAGCTGTTCCCCCTTCCACAG
GAATCTCTTCTGAGCGCTGGGACTGACGGGCATGTCCACCTGTACTCCATGCTGCAGGCCCTCCCTTGACTTC
GCTGCAGCTCTCCCTCAAGTATCTGTTTGCTGTGCGCTGGTCCCCAGTGGGCCCTTGGTTTTTGCAGCTGCCTC
TGGGAAAGGTGACGTGCAGCTGTTTGATCTCCAGAAAAGCTCCCAGAAAACCCACAGTTTTGATCAAGCAAACCA
GGATGAAAGCCCTGTCTACTGTCTGGAGTTCAACAGCCAGCAGACTCAGCTCTTGGCTGCGGGCGATGCCAGGG
CACAGTGAAGGTGTGGCAGCTGAGCACAGAGTTCACGGAACAAGGGCCCCGGGAAGCTGAGGACCTGGACTGCCT
GGCAGCAGAGGTGGCGGCTGAGGGGTCCCGGGAGGCGGGTGCAAGCCTTCGCTGTGCCGAGCCTTGTGTTTCTG
ACGCAAGCCAAATGAAGAAAAGCAAAGCTT

2998/6881
FIGURE 2767

ATGCTGCAGGAGTGGCTGGCGGCTGTGGGCGATGACTATGCTGCTGTGGTCTGGAGGCCTGAGGGCGAGCCCAGG
TTCTACCCAGATGAAGAGGGTCCCAAGCACTGGACCAAAGAAAGGCACCAGTTTCTGATGGAGCTGAAGCAGGAA
GCCCTCACCTTTGCCAGGAAGTGGGGGGCCGACTATATCCTGTTTGCAGACACAGACAACATTCTGACCAACAAT
CAGACTCTGCGGCTTCTCATGGGGCAGGGGCTTCCAGTGGTGGCCCCAATGCTGGACTCCCAGACCTACTACTCC
AACTTCTGGTGTGGGATCACCCCCCAGGGCTACTACCGCCGCACAGCCGAGTACTTCCCCACCAAGAACC GCCAG
CGCCGGGGCTGCTTCCGTGTCCCCATGGTCCACTCCACCTTCCCTTG CATCCCTGCGGGCTGAAGGGGCAGACCAG
CTTGCTTTTCTACCCGCCACATCCCAACTACACTTGGCCTTTTCGACGACATCATCGTCTTTCGCCTATGCCTGCCAG
GCTGCTGGGGTCTCCGTCCACGTGTGCAATGAGCACC GTTATGGGTACATGAATGTGCCGGTGAAATCCCACCAG
GGGCTGGAAGACGAGAGGGTCAACTTCATCCACCTGATCTTGGAAGCACTAGTGGACGGCCCCCGCATGCAGGCC
TCAGCTCATGTGACTCGGCCCTCTAAGAGGCCCAGCAAGATAGGGTTTGACGAGGTCTTTGTCATCAGCCTGGCT
CGCAGGCCTGACCGTCGGGAACGCATGCTCGCCTCGCTCTGGGAGATGGAGATCTCTGGGAGGGTGGTGGACGCT
GTGGATGCTGGATGGCTCAACAGCAGTGCCATCAGGAACCTCGGCGTAGACCTGCTCCCGGGCTACCAGGACCCT
TACTCGGGCCGCACTCTGACCAAGGGCGAGGTGGGCTGCTTCCTCAGCCATTACTCCATCTGGGAAGAGGTGGTT
GCCAGGGGCCTGGCCCGGGTCTTGGTGTGTTGAGGATGACGTGCGCTTTGAGAGCAACTTCAGGGGGCGGCTGGAG
CGGCTGATGGAGGATGTGGAGGCAGAGAACTGTCTTGGGACCTGATCTACCTTGGACGGAACAGGTGAACCCT
GAGAAGGAGACGGCCGTGGAGGGGCTGCCGGGCCTGGTGGTGGCTGGGTACTCCTACTGGACGCTGGCCTATGCC
CTGCGTCTGGCGGGTGCCCGCAAGCTGCTGGCCTCACAGCCTCTGCGCCGCATGCTGCCCGTGGACGAGTTCCTG
CCCATCATGTTTCGACCAGCACCCCAACGAGCAGTACAAGGCACACTTCTGGCCACGGGACCTGGTGGCCTTCTCC
GCCAGCCCCTGCTCGCTGCCCTACCCACTATGCCGGGGACGCCGAGTGGCTCAGTGACACGGAGACATCCTCT
CCATGGGATGATGACAGCGGCCGCTCATCAGCTGGAGCGGCTCCCAAAGACCCTGCGCAGCCCCCGCCTGGAC
CTGACTGGCAGCAGCGGGCACAGCCTCCAACCCCAGCCCCGAGATGAGCTCTAG

2999/6881
FIGURE 2768

MLQEWLAAVGDDYAAVVWRPEGEPRFYPDEEGPKHWTKERHQFLMELKQEALTFARNWGADYILFADTDNILTNN
QTLRLLMGQGLPVVAPMLDSQTYYSNFWCGITPQGYRRTAEYFFTKNRQRRGCFRVPMVHSTFLASLRAEGADQ
LAFYPPHPNYTWPFDDIIVFAYACQAAGVSVHVCNEHRYGYMNVPVKSHQGLEDERVNFHLLILEALVDGPRMQA
SAHVTRPSKRPSKIGFDEVFVISLARRPDRRERMLASLWEMEISGRVVDAGWLNSSAIRNLGVDLLPGYQDP
YSGRTLTKGEVGCFLSHYSIWEEVVARGLARVLVFEDDVRFESENFGRLERLMEDVEAEKLSWDLIYLGRKQVNP
EKETAVEGLPGLVVAGYSYWTLAYALRLAGARKLLASQPLRRMLPVDEFLLPIMFDQHPNEQYKAHFWPRDLVAFS
AQPLLAAPTHYAGDAEWLSDTETSSPWDDDSGRLISWSGSQKTLRSPRLDLTGSSGHSLLQPQRDEL

3000/6881
FIGURE 2769

GCGAGCTCGGCTTCCTCAACATGGCTGCGCCCTTGTCTAGTGGAGGTGGAGTTCGGAGGTGGTGCGGAGCTCCTGT
TTGACGGTATTAAGAAACATCGAGTCACTTTGCCCTGGACAGGAGGAACCTGGGACATCCGGAACCTGCTCATCT
GGATCAAGAAGAATTTGCTAAAAGAGCGGCCAGAGTTGTTTCATCCAGGGAGACAGCGTGCGGCCAGGAATTCTGG
TGCTGATTAAAGATGCCGACTGGGAGCTACTGGGTGAGCTGGACTACCAGCTTCAGGACCAGGACAGCGTCCTCT
TCATCTCCACTCTGCACGGCGGCTTGAGGGCCCTTCTCTGGGCCTGGGCACCCTTAGAGGGGAGAACGAAGCAATC
AGACATCCCCTTGGGCCCTGCTTCCAGGTCTCCCTGTCCCCCTTGCCCTGCCTTCTTCCCTGCTCTGTCCCCTAAG
CTCCCTCCAGGCAGGGAAAAGAGGCCAGGTGCTAAAAATGAGCCTTTCTCAAGCACGTGAGCAGCGGAAGGCAGA
CAGGCGCCAGAGCCCAGCACTCCCTTTTCCAGCAGCTGTGGTGGGGGAGGGTTCCCCTCCAGTTTGTCAAGAGTT
GAAGGAGGCTCTGTGGCCAGGTGACCTGGCTGCCTTCCACTCCTTGTACCTCAGTCTAAACATGGAGTGGCCGCT
GACAAGGCGCTCCAGCCCCAGAGCCAGCGTCTTCATGGGGAAGATGAATGGACCTGAGTAGCTGAAGGAAGGCC
CTCCCTACCCAAAGACTGGAGGCTTCTCAGCCTCAATTTCCCTGTCTGTACAGCTGAGGGCTCTGCCTGTCCCC
ACTGCTATCAGTATGGAACCCAGCTGGGGTCCCCTATTGAGTGCCGACTCCCCCACCAGCCAGCAGCTGCTCCT
CCAGCCACACCCCTCCTGCTCCCCCACCCTAGCCCTTGACCCTGGCTGGCCTGCCCCGCTCCACAGGCCACCA
GATGGGCTCCTGAGACCCTCCCCAGGCTGCTTACAGCTCATTCTGCTGGGGGTAGAGATGAGGGGAGGGAGTAAG
TTAAACCTTGGACTAGCAAGTAGAAGCCTGGGGGGATGCGTGTGCCTCAGTTTCCTCCTCCAACTGAATATAG
TGGCTGAAAACCTGGGGAGATACTTGATGGCGCGAATGTCCGTTTTCTCTCCCTTCCCACCTCCTGCAGGAAGCAG
GACGGGGCAGGCAGCACCTGGTAGGCACAGTGCTTTGCCCTCCTCCCCCTTCCCTTCTGGAAGTCTTGGGGCCTC
AGTGCTTGCAACAGCCGGCCTTGGGCAAATAAAAGACTAGGTTGTTTACT

3001/6881
FIGURE 2770

MAAPLSVEVEFGGGAELLFDGIKKHRVTLPGQEEPWDIRNLLIWIKKNLLKERPELFIQGDSVRPGILVLINDAD
WELLGELDYQLDQDSVLFISTLHGG

3002/6881
FIGURE 2771

CAGCAGCAGCAGCAGCTCCAGCAACAGCAGCAGCAGCTCCAGCAGTTACAGCAGCAGCAGCTCCAGCAGCAGCAA
TTGCAGCAGCAGCAGTTACTGCAGCTCCAGCAGCTGCTCCAGCAGTCCCCACCACAGGCCCGTTGCCCATGGCT
GTCAGCCGGGGGCTCCCCCGCAGCAGCCACAGCAGCCGCTTCTGAATCTCCAGGGCACCAACTCAGCCTCCCTC
CTCAACGGCTCCATGCTGCAGAGAGCTTTGCTTTTACAGCAGTTGCAAGGACTGGACCAGTTTGCAATGCCACCA
GCCACGTATGACACTGCCGGTCTCACCATGCCCACAGCAACACTGGGTAACCTCCGAGGCTATGGCATGGCATCC
CCAGGCCTCGCAGCCCCCAGCCTCACACCCCCACAACCTGGCCACTCCAAATTTGCAACAGTTCTTTCCCCAGGCC
ACTCGCCAGTCCTTGCTGGGACCTCCTCCTGTTGGGGTCCCCATGAACCTTCCCAGTTCAACCTTTTTCAGGACGG
AACCCCCAGAAACAGGCCCGGACCTCCTCCTCTACCACCCCCAATCGAAAGGATTCTTCTTCTCAGACAATGCCT
GTGGAAGACAAAGTCAGACCCCCAGAGGGGTCTGAGGAAGCCGCAGAGCCCCGGATGGACACACCAGAAGACCA
GATTTACCGCCCTGCCAGAGGACATCGCAAGGAAAAACGCACTCCAGCACCTGAGCCTGAGCCTTGTGAGGCG
TCCGAGCTGCCAGCAAAGAGATTGAGGAGCTCAGAAGAGCCCCACAGAGAAGGAACCTCCAGGGCAGTTACAGGTG
AAGGCCCAGCCGCAGGCCCGGATGACAGTACCGAAACAGACACAGACACCAGACCTGCTGCCTGAGGCCCTGGAA
GCCCCAAGTGCTGCCACGATTCCAGCCACGGGTCTGCAGGTCCAGGCCCAGGTGCAGTCACAGACTCAGCCGCGG
ATACCATCCACAGACACCCAGGTGCAGCCAAAGCTGCAGAAGCAGGCGCAAACACAGACCTCTCCAGAGCACTTA
GTGCTGCAACAGAAGCAGGTGCAGCCACAGCTGCAGCAGGAGGCAGAGCCACAGAAGCAGGTGCAGCCACAGGTA
CAGCCACAGGCACATTACAGGGCCCCAAGGCAGGTGCAGCTGCAGCAGGAGGCAGAGCCGCTGAAGCAGGTGCAG
CCACAGGTGCAGCCCCAGGCACATTACAGCCCCCAAGGCAGGTGCAGCTGCAGCTGCAGAAGCAGGTCCAGACA
CAGACATATCCACAGGTCCACACACAGGCACAGCCAAGCGTCCAGCCACAGGAGCATCCTCCAGCGCAGGTGTCA
GTACAGCCACCAGAGCAGACCCATGAGCAGCCTCACACCCAGCCGCAGGTGTCGTTGCTGGCTCCAGAGCAAACA
CCAGTTGTGGTTTCATGTCTGCGGGCTGGAGATGCCACCTGATGCAGTAGAAGCTGGTGGAGGCATGGAAAAGACC
TTGCCAGAGCCTGTGGGCACCCAAGTCAGCATGGAAGAGATTGAGAATGAGTCGGCCTGTGGCCTAGATGTGGGA
GAATGTGAAAACAGAGCGAGAGAGATGCCAGGGGTATGGGGCGCCGGGGGCTCCCTGAAGGTCACCATTTCTGCAG
AGCAGTGACAGCCGGGCTTTAGCACTGTACCCCTGACACCTGTCCCCCGCCCCAGTGACTCCGTCTCCTCCACC
CCTGCGGCTACCAGCACTCCCTCTAAGCAGGCCCTCCAGTTCTTCTGCTACATCTGCAAGGCCAGCTGCTCCAGC
CAGCAGGAGTTCCAGGACCACATGTGCGAGCCTCAGCACAGCAGCGGCTAGGGGAGATCCAGCACATGAGCCAA
GCCTGCCTCCTGTCCCTGCTGCCCCTGCCCCGGGACGTCTGGAGACAGAGGATGAGGAGCCTCCACCAAGGCGC
TGGTGCAACACCTGCCAGCTCTACTACATGGGGGACCTGATCCAACACCGCAGGACACAGGACCACAAGATTGCC
AAACAATCCTTGCGACCCTTCTGCACCGTTTGCAACCGCTACTTCAAAACCCCTCGCAAGTTTGTGGAGCACGTG
AAGTCCCAGGGGCATAAGGACAAAGCCAAGGAGCTGAAGTCGCTTGAGAAAGAAATGCTGGCCAAGATGAGGAC
CACTTCATTACAGTGGACGCTGTGGGTGCTTTCGAGGGTGATGAAGAAGAGGAAGAGGATGATGAGGATGAAGAA
GAGATCGAGGTTGAGGAGGAACCTCTGCAAGCAGGTGAGGTCCAGAGATATATCCAGAGAGGAGTGGAAGGGCTCG
GAGACCTACAGCCCCAATACTGCATATGGTGTGGACTTCCTGGTGCCCGTGATGGGCTATATCTGCCGCATCTGC
CACAAGTTCTATCACAGCAACTCAGGGGCACAGCTCTCCCACTGCAAGTCCCTGGGCCACTTTGAGAACCTGCAG
AAATACAAGGCGGCCAAGAACCCCAAGCCCCACCACCCGACCTGTGAGCCGCCGGTGCGCAATCAACGCCCGGAAC
GCTTTGACAGCCCTGTTACCTCCAGCGGCCGCCACCTTCCAGCCCCAACCCAGGACAAAACACCCAGCAAG
GTGACGGGCTCGACCCTCCAGCCCCACTACCTCGGCGCTCAACCCGCCTCAAAACCTGATAGAGGGACCTCCCT
GTCCCTGGCCTGCCTGGGTCCAGATCTGCTAATGCTTTTTAGGAGTCTGCCTGGAAACTTTGACATGGTTTCATGT
TTTTACTCAAAATCCAATAAAACAAGGTAGTTTGGCTG

3003/6881
FIGURE 2772

[illegible]

3004/6881
FIGURE 2773

MDPAARVVRA LWPGGCALAWRLGGRPQPLLPTQSRAGFAGAAGGSPVAAARKGSPRLLGAAALALGGALGLYHT
ARWHLRAQDLHAERSAAQLSLSSRLQLTLYQYKTCPFCSKVRAFLDFHALPYQVVEVNPVRRAEIKFSSYRKVP I
LVAQEGESSQQLNDSSV IISALKTYLVSGQPLEE IITYYPAMKAVNEQGKEVTEFGNKYWLMLNEKEAQQVYGGK
EARTEEMKWRQWADDWLVLH LISP NVYRTPTEALASFDYIVREGKFGAVEGAVAKYMGAAAMYLI SKRLKSRHRLQ
DNVREDLYEAADKWVAAVGKDRPFMGGQKPNLADLAVYGVL RVMEGLDAFDDLMQH THIQPWYLRVERAITEASP
AH

3005/6881
FIGURE 2774

CCCAGCCCTGGAGACAGCAGCCCCTAGACTACTGAGGGACAGCGACAGCATGAAGGCTCCGGGTCGGCTCGTGCT
CATCATCCTGTGCTCCGTGGTCTTCTCTGCCGTCTACATCCTCCTGTGCTGCTGGGCGGCGCTGCCCTCTGCCT
GGCCACCTGCCTGGACCACCACTTCCCCACAGGCTCCAGGCCCCTGTGCCGGGACCCCTGCACTTCAGTGGATA
TAGCAGTGTGCCAGATGGGAAGCCGCTGGTCCGCGAGCCCTGCCGCGAGCTGTGCCGTGGTGTCCAGCTCCGGCCA
AATGCTGGGCTCAGGCCTGGGTGCTGAGATCGACAGTGCCGAGTGCGTGTTCGCGATGAACCAGGCGCCACCGT
GGGCTTTGAGGCGGATGTGGGCCAGCGCAGCACCCCTGCGTGTCTGCTCTCACACACAAGCGTGCCGCTGCTGCTGCG
CAACTATTCACACTACTTCCAGAAGGCCCGAGACACGCTCTACATGGTGTGGGGCCAGGGCAGGCACATGGACCG
GGTGTCTGGCGGCCGCACCTACCGCACGCTGCTGCAGCTCACCAGGATGTACCCCGGCTGCAGGTGTACACCTT
CACGGAGCGCATGATGGCCTACTGCGACCAGATCTTCCAGGACGAGACGGGCAAGAACCGGAGGCAGTCGGGCTC
CTTCCTCAGCACCGGCTGGTTCACCATGATCCTCGCGCTGGAGCTGTGTGAGGAGATCGTGGTCTATGGGATGGT
CAGCGACAGCTACTGCAGGGAGAAGAGCCACCCCTCAGTGCCTTACCCTACTTTGAGAAGGGCCGGCTAGATGA
GTGTCAGATGTACCTGGCACACGAGCAGGCGCCCCGAAGCGCCCACCGCTTCATCACTGAGAAGGCGGTCTTCTC
CCGCTGGGCCAAGAAGAGGCCCATCGTGTTCGCCCATCCGTCTGAGGACTGAGTAGCTTCCGTCGTCCTGCCA
GTCGCCATGCCGTTGCGAGGCCCTCCGGGATGTCCCATCCCAAGCCATCACACTCCACAAAAACATTTAATTTATG
GATCCTGCCTCCTGCCACGTGCTGGGTGGACCTAAGGTTCCCTTTCCACTCCCTGAGTAATTCACGGCATTGGGG
GCTCACCCACCTCCAGGTCTGTCAAGTGGCCTTTGTCCC

3006/6881
FIGURE 2775

GCGCGGCATAACGACCCAGGTGCGGGCGCGGGGGCTTGAGCGCGTGGCCGGTGCCGCAGGAGCCGAGCATGGA
GTACCAGGATGCCGTGCGCATGCTCAATACCCTGCAGACCAATGCCGGCTACCTGGAGCAGGTGAAGCGCCAGCG
GGGTGACCCCTCAGACACAGTTGGAAGCCATGGAAGTGTACCTGGCACGGAGTGGGCTGCAGGTGGAGGACTTGGA
CCGGCTGAACATCATCCACGTCACTGGGACGAAGGGGAAGGGCTCCACCTGTGCCTTCACGGAATGTATCCTCCG
AAGCTATGGCCTGAAGACGGGATTCTTTAGCTCTCCCCACCTGGTGCAGGTTTCGGGAGCGGATCCGCATCAATGG
GCAGCCCATCAGTCCTGAGCTCTTCACCAAGTACTTCTGGCGCCTCTACCACCGGCTGGAGGAGACCAAGGATGG
CAGCTGTGTCTCCATGCCCCCTACTTCCGCTTCTTGACACTCATGGCCTTCCACGTCTTCTCTCAAGAGAAGGT
GGACCTGGCAGTGGTGGAGGTGGGCATTGGCGGGGCTTATGACTGCACCAACATCATCAGGAAGCCTGTGGTGTG
CGGAGTCTCCTCTCTTGGCATCGACCACACCAGCCTCTGGGGGATACGGTGGAGAAGATCGCATGGCAGAAAGG
GGGCATCTTTAAGCAAGGTGTCCCTGCCTTCACTGTGTCTCAACCTGAAGGTCCCTGGCAGTGTGAGGGACCG
AGCCCAGCAGATCTCATGTCTCTATACCTGTGTCCGATGCTGGAGGCCCTCGAGGAAGGGGGGCCCGCGCTGAC
CCTGGGCCTGGAGGGGGAGCACCAGCGGTCCAACGCCGCTTGGCCTTGCAGCTGGCCCACTGTGGCTGCAGCG
GCAGGACCGCCATGGTGTGGGGAGCCAAAGGCATCCAGGCCAGGGCTCCTGTGGCAGCTGCCCTGGCACCTGT
GTTCCAGCCCACATCCCACATGCGGCTCGGGCTTCGGAACACGGAGTGGCCGGGGCCGGACGCAGGTGTGCGGCG
CGGGCCCCCTCACCTGGTACCTGGACGGTGCACACACCGCCAGCAGCGCGCAGGCCTGCGTGCCTGGTTCCGCCA
GGCGCTGCAGGGCCGCGAGAGGCCGAGCGGTGGCCCCGAGGTTTCGAGTCTTGCTCTTCAATGCTACCGGGGACCG
GGACCCGGCGGCCCTGCTGAAGCTGTGTCAGCCCTGCCAGTTTACTATGCCGTCTTCTGCCCTAACCTGACAGA
GGTGTCTATCCACAGGCAACGCAGACCAACAGAACTTCACAGTGACACTGGACCAGGTCTGTCCGCTGCCTGGA
ACACCAGCAGCACTGGAACCACCTGGACGAAGAGCAGGCCAGCCCGGACCTCTGGAGTGCCCCCAGCCCAGAGCC
CGGTGGGTCCGCATCCCTGCTTCTGGCGCCCCACCCACCCACACCTGCAGTGCCAGCTCCCTCGTCTTCAGCTG
CATTTACATGCCTTGCAATGGATCAGCCAAGGCCGAGACCCATCTTCCAGCCACCTAGTCCCCCAAAGGGCCT
CCTCACCCACCCTGTGGCTCACAGTGGGGCCAGCATACTCCGTGAGGCTGCTGCCATCCATGTGCTAGTCACTGG
CAGCCTGCACCTGGTGGGTGGTGTCTGAAGCTGTGAGAGCCGCACTGTCCCAGTAGCCAAGGCCCGGGGTTGG
AGGTGGGAGCTTCCACACCTGCCTGCGTTCTCCCCATGAACCTTACATACTAGGTGCCTTTTGTTTTTGGCTTTC
CTGGTTCTGTCTAGACTGGCCTAGGGGCCAGGGCTTTGGGATGGGAGGCCGGGAGAGGATGTCTTTTTTAAAGGCT
CTGTGCCTTGGTCTCTCCTTCCCTTGGCTGAGATAGCAGAGGGGCTCCCCGGGTCTCTCACTGTTGCAGTGGCC
TGGCCGTTTCAGCCTGTCTCCCCAACACCCCGCCTGCCTCCTGGCTCAGGCCAGCTTATTGTGTGCGCTGCCTG
GCCAGGCCCTGGGTCTTGCCATGTGCTGGGTGGTAGATTTCCTCCTCCAGTGCTTCTGGGAAGGGAGAGGGCC
TCTGCCTGGGACACTGCGGGACAGAGGGTGGCTGGAGTGAATTAAAGCCTTTGTTTTT

3007/6881
FIGURE 2776

MSRARSHLRAALFLAAASARGITTQVAARRGLSAWPVPOEPSMEYQDAVRMLNTLQTNAGYLEQVKRQRGDPQTQ
LEAMELYLARSGLQVEDLDRLNIIHVTGTKGKGSTCAFTECILRSYGLKTGFFRFGSGSASMGSPSVLSSSPSTS
GASTTGWRRRPRMAAVSPCPPTSAS

3008/6881
FIGURE 2777

TCACCCGGATGGCGGGCTGCGACGCGCGGCTGCCGGCCCTGGGGCTCGCTCCTCGGGCTGCTCGGGCTGGTCTCGG
CCGCGGCCGCGCCTGGGACCTGGCTTCCCTGCGCTGCACCTTGGGCGCCTTTTGCGAATGCGACTTCCGGCCCCG
ACTTGCCGGGTCTGGAGTGTGACCTGGCTCAGCACCTGGCCGGCCAGCATCTGGCCAAGGCGCTGGTGGTGAAGG
CGCTGAAGGCCCTTTGTGCGGGACCCAGCCCCACCAAGCCGCTGGTCTCTCCCTGCACGGCTGGACCGGCACCG
GCAAAATCCTATGTGAGCTCCCTGCTGGCGCACTACCTCTTCCAGGGCGGCCTCCGCAGCCCCCGCGTGCACCACT
TTTCTCCCGTCCCTCCACTTCCCCACCCAGCCACATCGAGCGCTACAAGAAGGATCTGAAGAGCTGGGTCCAAG
GGAACCTCACTGCCTGTGGCCGCTCCCTCTTCCCTCTTCGATGAGATGGACAAGATGCCCCCAGGCCTGATGGAAG
TCCTGCGGCCTTTCCCTGGGCTCCTCCTGGGTGGTATACGGGACCAATTACCGCAAAGCCATCTTCATCTTCATCA
GGTGGGGCCCCGGCTTTGCAGTGGGCACAGTGGGGGGGCCACTTCTCAGAGGTTTCTAGCTCTACAGCCTTAGCCTGT
GCTCCCAGCAGAATCCAGTTCCCATGGGCTTAGCTGGGCTTTCCAGTGCCCTCCGCCACTCTCAGAGATGACA
TTGTCAATCCGCCTGGTTGATTTCCCTTTGGACATTCTCAGCAAATTCTGGGCTCAGTCTTTTTTGATCGCCACTT
CTTTGTGGAAGCCCTGCCAGGTCAAGAAGTTTTCCCTCTTTTGTGGTGAGGAGGACACAGGCCTGGGAAAAATAG
GAACAGAGTTCTTGTCTTTAGTCCCAGCTCTCAGAATCCTCGCTGTGTTTCTCAGGCAGCATGGCTCCGCCTC
TCTGAGCCTCTGTCTCTGCTTCTGAACAGCGGGGCCAATAATGATGCCCCGATGCCTTCTGGAAGTTTCTAGTGA
GGAAAGTCAGTTGAGGGACACAAAAGTGTTTTGTAAACTATAAAGTACGTGGCATGTGTAGGTGAATTACAGGGG
CCATGGATGTGGACACCATGGAGGGGGAAGTGGAGCGTTTTTCTAGTGGAGTTGGCTCCTCCCCGCACTGAGCCATG
TTCCTATGTGAGGTGGCAGCGGGGAAGCGAGGGTCCAATCCTGCCCTGCGCTAGTCTCTCATCTGAGTCTCAGCCT
GGGTCCCCCATGGTTTTAGCAACACGGGTGGCAAGCAGATCAACCAGGTGGCATTTGGAGGCGTGGCGCAGCCGCG
GGGACCGCGAGGAGATCCTCCTGCAGGAGCTGGAGCCGGTCTATCTCCCGCGCGGTGCTGGACAACCCGCACCGTG
AGTCTGGCTCAGCAGCCCCCTCCCGGGCAGCTTACCCCCACACCCAGGGGCCAGGCTCTCCCGGGGTCTCATGCT
TTGCCCACTGACCCGGCAGTTCTGAGCCTGGCTTTGGCACTCCCAGCTTTGTGACTTTGGGTGAGCCTTACAGCC
CCTGAGTCTTACACCCAGAAGGCGGCTGAGGGAAGTGGAGCCAGCATTTTTCTCCTGCCCCTGGGGGTTTTGGGG
CCGGCTTCTCCCTCTTGTGAAGCACAAAGTCCCCTCCCCACCTACCTTCTCCTGCAGATGGCTTCTCAAACCTCGG
GCATCATGGAAGAGCGCCTCCTAGACGCAGTGGTGCCCTTCTCCCGCTCCAGCGGCACCACGTCCGGCACTGCG
TGCTCAACGAGCTGGCCCAGCTGGGCCTGGAGCCAAGGGATGAGGTTGTCCAGGCTGTGCTGGACAGCACCACT
TCTTCCCTGAAGACGAGCAGCTCTTCTCCTCCAACGGCTGCAAGACCGTGGCCTCCCGAATCGCCTTCTTCCCTCT
GACTCTCTGAGTGGTGTCTCGGCCCCCTGATGGCCAGGCCATGCAGGAAAAGGCCAGGGGCCTCTGTACAGGA
ACCCAGAGCACCAAGTGAGATGAACGGAGTGTGCGCTAGGCCACGGGACAGATGGCCAGGAAGGGCCCTGGCCTC
TAAACTGGCTCGAGAGCATCTTGGCCCCGGCCACCTTCCCCAGGGAAACCCCTGGTCACCCAGAACCTCACTGA
GCCTTGACCTCCCCCTGCAGCCTGAGCCTTCTTACTGTGAATTATAACTCAGGGACTGTGGCTCGTGGCGGTGCT
CCCTCCTCAGTCTGCCACCTTGCCCCCTTGCTCCTTGGTTCGGGCACCATACTCCTCCCTCCACCCACACCC
TGTGTCCATATCAAGCCAGGTGGAGCCTTCTCAGTTTCCAGAAATGGAGGGACTCAAGCTGCCACTTGGGCCTGG
TTTTAGATGTTTTTAATTTTGTAAAAGAAAACAAGTATAATAAACTCAGCTGTGGGACCAG

3009/6881
FIGURE 2778A

GCGCCAGCGGCGTCCGCCTGAGCAGCGCGGGCAACAGCGGCGGCGTTCGGCCGGATCGGGCCGCGACACCTCCTGG
CCATGGGGGACGTGCTGTCCACGCACCTGGACGACGCCCCGGCGCCAGCACATCGCAGAAAAACCGGGAAGATCC
TGACGGAGTTCTCTCAGTTCTATGAAGACCAGTATGGCGTGGCTCTCTTCAACAGCATGCGCCATGAGATTGAGG
GCACGGGGCTGCCGAGGCCAGCTGCTCTGGCGCAAGGTGCCACTGGACGAGCGCATCGTCTTCTCGGGGAACC
TCTTCCAGCACCAGGAGGACAGCAAGAAGTGGAGAAACCGCTTCAGCCTCGTGCCCCACAACCTACGGGCTGGTGC
TCTACGAAAACAAAGCGGCCCTATGAGCGGCAGGTCCCAACCACGAGCCGTCATCAACAGTGCAGGCTACAAAATCC
TCACGTCCGTGGACCAATACCTGGAGCTCATTGGCAACTCCTTACCAGGGACCACGGCAAAGTCGGGCAGTGCCC
CCATCCTCAAGTGCCCCACACAGTTCCCCTCATCTCTGGCATCCTTATGCGCGTCACTACTACTTCTGCATGA
TGACAGAAGCCGAGCAGGACAAGTGGCAGGCTGTGCTGCAGGACTGCATCCGGCACTGCAACAATGGAATCCCTG
AGGACTCCAAGGTAGAGGGCCCTGCGTTCACAGATGCCATCCGCATGTACCGACAGTCCAAGGAGCTGTACGGCA
CCTGGGAGATGCTGTGTGGGAACGAGGTGCAGATCCTGAGCAACCTGGTGATGGAGGAGCTGGGCCCTGAGCTGA
AGGCAGAGCTCGGCCCGCGGCTGAAGGGGAAACCGCAGGAGCGGCAGCGGCAGTGGATCCAGATCTCGGACGCCG
TGTACCACATGGTGTACGAGCAGGCCAAGGCGCGCTTCGAGGAGGTGCTGTCCAAGGTGCAGCAGGTGCAGCCGG
CCATGCAGGCCGTCATCCGAACCTGACATGGACCAATTATCACCTCCAAGGAGCACCTTGCCAGCAAGATCCGAG
CCTTCATCTCCCCAAGGCAGAGGTGTGCGTGCAGAACCATGTCCAGCCCTACATCCCATCCATCCTGGAGGCC
TGATGGTCCCCACCAGCCAGGGCTTCACTGAGGTGCGAGATGTCTTCTTCAAGGAGGTACGGACATGAACCTGA
ACGTCAACAGAGGGCGGCATTGACAAGCTGGGCGAGTACATGGAGAAGCTGTCCCGGCTGGCGTACCACCCCC
TGAAGATGCAGAGCTGCTATGAGAAGATGGAGTGCCTGCGACTGGACGGGCTGCAGCAGCGATTTGATGTGTCCA
GCACGTCCGTGTTCAAGCAGCGAGCCAGATCCACATGCGGGAGCAAAATGGACAATGCCGTGTATACGTTTCGAGA
CCCTCCTGCACCAGGAGCTGGGGAAGGGGCCACCAAGGAGGAGCTGTGCAAGTCCATCCAGCGGGTCTCGGAGC
GGGTGCTGAAGAAATACGACTACGACAGCAGCTCTGTGCGGAAGAGGTTCTTCCGGGAGGCGCTGCTGCAGATCA
GCATCCCGTTCTGCTCAAGAAGCTGGCCCCCTACCTGCAAGTCGGAGCTGCCCCGTTCCAGGAGCTGATCTTCG
AGGACTTTGCCAGGTTTCATCTGGTGGAAAACACGTACGAGGAGGTGGTGCTGCAGACCGTCATGAAGGACATCC
TGCAGGCTGTGAAGGAGGCCGCGGTGCAGAGGAAGCACAACCTCTACCGGGACAGCATGGTCATGCACAACAGCG
ACCCCAACCTGCACCTGCTGGCCGAGGGCGCCCCCATCGACTGGGGCGAGGAGTACAGCAACAGCGGGCGGGGGCG
GCAGCCCCAGCCCCAGCACCCCGGAGTCAGCCACCTCTCGGAAAAGCGACGGCGCGCCAAGCAGGTGGTCTCTG
TGGTCCAGGATGAGGAGGTGGGGCTGCCCTTTGAGGCTAGCCCTGAGTACCACCACCTGCGTCCCCGGACGGTG
TCACTGAGATCCGAGGCCTGCTGGCCCAAGGTCTGCGGCCCTGAGAGCCCCCACCAGCGGGCCCCCTGCTCAACG
GGGCCCCCGCTGGGGAGAGTCCCCAGCCTAAGGCCGCCCCCGAGGCCTCTCGCCGCTGCCTCACCCCTCCAGC
ATCTCCTGCCTGGAAAGGCTGTGGACCTTGGGCCCCCCCAAGCCCAGCGACCAGGAGACTGGAGAGCAGGTGTCCA
GCCCCAGCAGCCACCCCGCCCTCCACACCACCACCGAGGACAGTGCAGGGGTGCAGACTGAGTTCTAGGCCAGTG
GGTCCCTGACTGCTGCACATGGCACAGGCCGTTCCCTTCCGGACCCAGGCAGGCTCAGCTCTGGGGAGGGCACCC
TGGTCTGTGCCCTTGTGGGTGGAGGCGGGGCTGTGTGGCACCGCCAGGGAGCGGGCCACCTGAGTCACTT
TATTGGGTTTCAGTCAACACTTTCTTGCTCCCTGTTTTCTCTTCTGTGGGATGATCTCAGATGCAGGGGCTGGTTT
TGGGGTTTTCTGCTTGTGCCAAGGGCTGGACACTGCTGGGGGGCTGGAAAGCCCCCTCCCTTCCTGTCTTCTGT
GGCCTCCATCCCCCTCATGGGTGCTGCCATCCTTCTTGGAGAGAGGGAGGTGAAAGCTGGTGTGAGCCAGTGGGT
TCCCGCCCACTCACCCAGGAGCTGGCTGGGCCAGGACCGGGAGAGGGAGCACTGCTGCCCTCCTGGCCCTGCTCC
TTCCGCAGTTAGGGGTGGACCGAGCCTCGCTTTCCCCACTGTTCTGGAGGGAAGGGGAAGGAGGGGGTCTTCAGG
CTGGAGCCAGGCTGGGGGTGCTGGGTGGAGAGATGAGATTTAGGGGGTGCCTCATGGGGTGGGCAGGCCTGGGGT
GAAATGAGAAAGGCCCAAGCTGCAGGTCTGCGGAGGGGAAGTGTCTCTGAGTGAAGGAGGGGACCCCCATCCTG
GGGGATGCTGGGAGTGAGTGAGTGAGTGGCTGAGTGAGGGTTATGGGGAGCCTGAGGTTTTATGGGCCTGTGTA
TCCCTTCTCCCGCCCCAGCCTGCCTCCCTCCTGCCCGCCTGGCCACAGGTCTCCCTCTGGTCCCTGTCCCTC
TGGTGGTTGGGGATGGAGCGGCAGCAAGGGGTGTAATGGGGCTGGGTTCCTGTCTTCTACAGGCCACCCCGAGGTC
CTCAGTGGTTGCCCTGGGGAGCCGGACGGGGCTCCTGAGGGGTACAGGTTGGGTGGGCCCTCCCTGAGGGTCTGGG
GTCAGGCTTTGGCCTCTGCTGCCCTCTCAGTCACCAAGTCACCTCCCTCTGAAAATCCAGTCCCTTCTTTGGATGT
CCTTGTGAGTCACTCTGGGCCTGGCTGTCTGCTCCCTCCTCAGCTTCTTGTTCCTGGGACAAGGGTCAAGCCAGGAT
GGGCCCAGGCCTGGGATCCCCCAGCCAGGACCCCGAGCCCCCTCCCTGCTGCTTTGCGGGGGGCGAGGGCAGA
AATGGACTCCTTTTGGGTCCCCGAGGTGGGGTCCCTCCAGCCCTGCATCCTCCGTGCCCTAGACCTGCTCCCC

3010/6881

FIGURE 2778B

AGAGGAGGGGCCTTGACCCACAGGACGTGTGGTGGCGCCTGGCACTCAGGGACCCCCAGCTGCCGCAGCCCTGGT
CTCTGGCGCATCTCTCCCTCTTGTCCCGAAGATCTGCGCCTCTAGTGCCTTTTGAGGGGTTC CATCATCCCTC
CCTGATATTGTATTGAAAATATTATGCACACTGTTCATGCTTCTACTAATCAATAAACGCTTTATTT

3011/6881
FIGURE 2779

MGDVLSTHLDDARRQHIAEKTGKILTEFLQFYEDQYGVALFNSMRHEIEGTGLPQAQLLWRKVPLDERIVFSGNL
FQHQEDSKKWRNRFSLVPHNYGLVLYENKAAYERQVPPRAVINSAGYKILTSVDQYLELIGNSLPGTTAKSGSAP
ILKCPTQFPLILWHPYARHYFMMTEAEQDKWQAVLQDCIRHCNNGIPEDSKVEGPAFTDAIRMYRQSKELYGT
WEMLCGNEVQILSNLVMEEELGPELKAELGPRKKGKPKQERQRQWIQISDAVYHVMVYEQAKARFEEVLSKVQQVQPA
MQAVIRTDMDQIITSKEHLASKIRAFILPKAEVCVRNHVQPYIPSILEALMVPTSQGFTEVRDVFFKEVTDMLN
VINEGGIDKLGEYMEKLSRLAYHPLKMQSCYEKMESLRDLGLQQRFDVSTSVFKQRAQIHMREQMDNAVYTFET
LLHQELGKGPTKEELCKSIQRVLERVLKKYDYDSSSVRKRFFREALLQISIPFLLKKLAPTCKSELPRFQELIFE
DFARFILVENTYEEVVLQTVMKDILQAVKEAAVQRKHNLYRDSMVMHNSDPNLHLLAEGAPIDWGEEYSNSGGGG
SPSPSTPESATLSEKRRRAKQVVSVVQDEEVGLPFEEASPEPPASPDGVTEIRGLLAQGLRPESPPPAGPLLNG
APAGESPQPKAAPEASSPPASPLQHLLPGKAVDLGPPKPSDQETGEQVSSPSSH PALHTTTEDSAGVQTEF

3012/6881
FIGURE 2780

CTCTCGGCTTTTCGGCTCGGAGGAGGCCAAGGTGCAACTTCCTTCGGTCGTCCCGAATCCGGGTTTCATCCGACACC
AGCCGCCTCCACCATGCCGCCGAAGTTCGACCCCAACGAGATCAAAGTCGTATACCTGAGGTGCACCGGAGGTGA
AGTCGGTGCCACTTCTGCCCTGGCCCCCAAGATCGGCCCCCTGGGTCTGTCTCCAAAAAAGTTGGTGATGACAT
TGCCAAGGCAACGGGTGACTGGAAGGGCCTGAGGATTACAGTGAACTGACCATTGAGAACAGACAGGCCCCAGAT
TGAGGTGGTGCCCTTCTGCCTCTGCCCTGATCATCAAAGCCCTCAAGGAACCACCAAGAGACAGAAAGAAACAGAA
AAACATTAAACACAGTGGGAATATCACTTTTGATGAGATTGTCAACATTGCTCGACAGATGCGGCACCGATCCTT
AGCCAGAGAACTCTCTGGAACCATTAAAGAGATCCTGGGGACTGCCCAGTCAGTGGGCTGTAATGTTGATGGCCG
CCATCCTCATGACATCATCGATGACATCAACAGTGGTGCTGTGGAATGCCCAGCCAGTTAAGCACAAAGGAAAAC
ATTTCAATAAAGGATCATTGACAACCTGGTGA

3013/6881
FIGURE 2781

MPPKFDPNEIKVVYLRCTGGEVGATSALAPKIGPLGLSPKKVGDDIAKATGDWKGLRITVKLTIQNRQAQIEVVP
SASALI IKALKEPPDRKKQKNIKHSGNITFDEIVNIARQMRHRS LARELSGTIKEILGTAQSVGCNVDGRHPHD
IIDDINSGAVECPAS

3014/6881
FIGURE 2782

AACCACCATTTTGCAAGGACCATGAGGCCACTGTGCGTGACATGCTGGTGGCTCGGACTGCTGGCTGCCATGGGA
GCTGTTGCAGGCCAGGAGGACGGTTTTGAGGGCACTGAGGAGGGCTCGCCAAGAGAGTTTACCTAAACAGG
TACAAGCGGGCGGGCGAGTCCCAGGACAAGTGACCTACACCTTCATTGTGCCCCAGCAGCGGGTCACGGGTGCC
ATCTGCGTCAACTCCAAGGAGCCTGAGGTGCTTCTGGAGAACCGAGTGCATAAGCAGGAGCTAGAGCTGCTCAAC
AATGAGCTGCTCAAGCAGAAGCGGCAGATCGAGACACTGCAGCAGCTGGTGGAGGTGGACGGCGGCATTGTGAGC
GAGGTGAAGCTGCTGCGCAAGGAGAGCCGCAACATGAACTCGCGGGTCACGCAGCTCTACATGCAGCTCCTGCAC
GAGATCATCCGCAAGCGGGACAACGCGTTGGAGCTCTCCCAGCTGGAGAACAGGATCCTGAACCAGACAGCCGAC
ATGCTGCAGCTGGCCAGCAAGTACAAGGACCTGGAGCACAAGTACCAGCACCTGGCCACACTGGCCCCACAACCAA
TCAGAGATCATCGCGCAGCTTGAGGAGCACTGCCAGAGGGTGCCCTCGGCCAGGCCCGTCCCCAGCCACCCCC
GCTGCCCCGCCCCGGGTCTACCAACCACCCACCTACAACCGCATCATCAACCAGATCTCTACCAACGAGATCCAG
AGTGACCAGAACCTGAAGGTGCTGCCACCCCTCTGCCCCTATGCCCCTCTCACCAGCCTCCCATCTTCCACC
GACAAGCCGTCGGGGCCATGGAGAGACTGCCTGCAGGCCCTGGAGGATGGCCACGACACCAGCTCCATCTACCTG
GTGAAGCCGGAGAACACCAACCGCCTCATGCAGGTGTGGTGGCACCAGAGACACGACCCCGGGGGCTGGACCGTC
ATCCAGAGACGCTGGATGGCTCTGTAACTTCTTCAGGAACCTGGGAGACGTACAAGCAAGGGTTTGGGAACATT
GATGGCGAATACTGGCTGGGCCTGGAGAACATTTACTGGCTGACGAACCAAGGCAACTACAACTCCTGGTGACC
ATGGAGGACTGGTCCGGCCGCAAAGTCTTTGCAGAATACGCCAGTTCCGCCTGGAACCTGAGAGCGAGTATTAT
AAGCTGCGGCTGGGGCGCTACCATGGCAATGCGGGTGACTCCTTTACATGGCACAACGGCAAGCAGTTCACCACC
CTGGACAGAGATCATGATGTCTACACAGGAACTGTGCCCCTACCAGAAGGGAGGCTGGTGGTATAACGCCTGT
GCCCACTCCAACCTCAACGGGGTCTGGTACCGCGGGGGCCATTACCGGAGCCGCTACCAGGACGGAGTCTACTGG
GCTGAGTTCCGAGGAGGCTCTTACTCACTCAAGAAAGTGGTGATGATGATCCGACCGAACCCCAACACCTTCCAC
TAAGCCAGCTCCCCCTCC

3015/6881
FIGURE 2783

MRPLCVTCWWLGLLAAMGAVAGQEDGFEGTEEGSPREFIYLNRYKRAGESQDKCTYTFIVPQQRVTGAICVNSKE
PEVLLENRVHKQELELLNNELLKQKRQIETLQQLVEVDGGIVSEVKLLRKESRNMNSRVTQLYMQLLHEIIRKRD
NALELSQLENRILNQTADMLQLASKYKDLEHKYQHLATLAHNQSEIIAQLEEHQCRVPSARVPVQPPPAAPRVY
QPPTYNRIINQISTNEIQSDQNLKVLPPPLPTMPTLTSLPSSTDKPSGPWRDCLQALEDGHDTSSIIYLVKPENTN
RLMQVWCDQRHDPGGWTVIQRRLDGSVNFFRNWETIKQGFNIDGEYWLGLENIYWLTNQGNYKLLVTMEDWSGR
KVFAEYASFRLEPESEYYKLRLGRYHGNAGDSFTWHNGKQFTTLDRDHDVYTGNCACHYQKGGWWYNACAHSNLNG
VWYRGGHYRSRYQDGVYWAEFRGGSYSLKKVMMIRPNPNTFH

3016/6881
FIGURE 2784A

CAGGATATAATTGATACAGCATGTGAAGTATTGGCCGACCCTTCTCTTCCGGAACCTGTTCTGGGGAACAGAGCCA
ACTTCTGGCCTTGGGATCATTCTGGACAGTGTGTGTGGAATGTTTCCCCACCTTCTCTCCCCACTCCTGCAACTG
CTCCGAGCCCTGGTATCAGGGAAGTCCACAGCCAAAAAGGTGTATAGCTTCTTGGATAAGATGTCTTTCTACAAT
GAACTTTATAAACACAAGCCTCATGATGTGATCTCCCATGAAGATGGAACCTTTTGGCGGAGACAAACACCCAAA
CTCCTTTATCCCCCTTGGGGGTCAAACCAACCTTCGCATACCTCAAGGCACTGTGGGCCAAGTAATGTTGGATGAT
AGGGCATACTGGTACGCTGGGAATACTCCTATAGCAGCTGGACCCCTTTTACCTGCGAGATTGAAATGTTGCTT
CATGTTGTTTCAACTGCAGATGTGATTACAGCACTGCCAGCGAGTCAAACCCATCATTGATCTCGTCCATAAGGTC
ATCAGTACAGACCTGTCGATAGCAGACTGTCTCCTGCCCATCACATCTCGCATCTACATGCTGCTGCAGCGGTTA
ACGACAGTGATCTCCCCACCTGTGGATGTCAATTGCTTCTTGTGTCAACTGCTTAACTGTTTTGGCTGCCCGCAAT
CCAGCAAAGGTCTGGACTGATCTTCGTACACAGGTTTTTTACCATTGTGGCCCATCCTGTCTCCAGCCTGAGT
CAGATGATTAGTGCGGAAGGGATGAATGCTGGAGGGTACGGAAACCTCTTGATGAACAGTGAACAGCCTCAGGGC
GAGTATGGGGTTACTATTGCCCTTCTGCGCTTGATCACCACCCCTGTCAAGGGGCAACTTGGTAGTACCCAGAGC
CAAGGACTTGTACCCTGTGTAATGTTTGTGCTGAAGGAGATGCTTCCCAGCTACCATAAGTGGCGCTACAACCTCT
CATGGAGTGAGGGAACAGATTGGTTGCCTGATCTTGGAGCTGATTATGCGATACTGAACCTGTGCCACGAGACA
GACCTGCACAGCAGTCATACTCCCAGCCTGCAGTTTTCTCTGCATCTGCAGCCTGGCATAACAGAAGCAGGACAG
ACAGTTATCAATATCATGGGCATTGGCGTGGACACCATTGACATGGTGATGGCTGCTCAGCCTCGAAGTGATGGG
GCAGAGGGCCAGGGGAGGGCCAGCTGCTGATCAAGACAGTGAAGTGGCATTCTCCGTACCAACAATGTTATT
CGGCTGAAACCTCCTTCTAATGTGGTGTCCCCCTGGAACAGGCTCTCTCACAAATGGTGCTCATGGAAACAAC
CTCATTGCTGTTCTAGCCAAATACATCTACCACAAACATGACCCTGCTTTGCCACGCTTGGCATTACAGCTGCTG
AAACGTCTGGCCACGGTGGCCCCAATGTCAGTGTATGCTTGTCTGGGCAATGATGCGGCTGCCATTTCGTGATGCC
TTCCTGACCCGATTGCAGAGCAAATGAGGACATGCGCATCAAAGTCATGATTCTAGAGTTCTCACTGTTGCA
GTAGAGACCCAGCCAGGCCTCATCGAAGTGTCTGAACTGGAAGTTAAGGATGGCAGTGATGGCTCAAAGGAA
TTCAGCCTTGGGATGTGGAGCTGTCTCCATGCAGTGTGGAGCTGATTGATTCCCAACAGCAAGATCGATACTGG
TGCCACCCCTGCTGCATCGTGGCGCCATTGCCCTTTTGCATGCTCTGTGGCAGGATCGGAGGGACAGTGCCATG
CTGGTCTCCGAACCAAACCCAAAGTTTTGGGAAAATTTAACCAGTCCGCTGTTTGGAAACCCTTTCTCCTCCCTCT
GAAACATCAGAGCCCAGCATCCTGGAAACCTGTGCCCTAATCATGAAGATAATTTGCTTGGAGATATACTATGTA
GTAAAGGGTTTATTAGACCAGTCATTAAAGGATACACTGAAGAAATTTTCCATCGAGAAACGCTTTGCCTACTGG
TCAGGGTATGTCAAGTCATTGGCAGTTCACGTGGCCGAAACAGAAGGCAGCAGCTGCACCTCCTTGTTAGAGTAC
CAGATGCTGGTGTCCGCTGGAGGATGCTTCTCATCATTGCCACCCTCATGCAGATATAATGCACCTGACTGAC
TCTGTGGTGCCTGCCAGCTCTTTCTTGACGTGCTTGATGGAACCAAAGCATTACTCCTAGTTCCAGCCTCAGTG
AACTGCCTTCGCCTTGGCTCCATGAAGTGCACCTCTGCTGCTTATCCTCCTCCGGCAGTGGAAGAGAGAGTTAGGT
TCTGTGGATGAAATCCTTGGACCCCTTGACGGAGATCCTGGAGGGAGTGTGCAGGCCGACCAGCAACTCATGGAG
AAGACCAAGGCCAAGGTGTTCTCAGCATTATCAGAGTGTGCAATGAAGGAGATGAAAGTAAGTGACATCCCC
CAGTACTCCCAGCTGGTGCTGAATGTCTGTGAGACCCTCCAAGAGGAAGTGATTGCACTCTTCGACCAGACCCGC
CACAGTCTGGCATTAGGCAGTGCCACAGAGGACAAGGACAGCATGGAGACTGACGACTGTTCTCGGTCCCGGCAC
AGGGACCAGCGTGATGGGGTGTGTCTTGGGCTGCACCTGGCCAAGGAGCTGTGTGAGGTAGACGAGGATGGT
GACTCCTGGCTGCAGGTAACCCGACGGCTCCCCATCCTACCCACCCTCCTCACCCTCTAGAGGTGAGCCTTCGC
ATGAAGCAGAACCTGCATTTCACTGAGGCCACATTGCATCTGCTCCTCACCCTGGCTCGCACTCAGCAGGGAGCC
ACAGCAGTGGCTGGAGCTGGCATCACCCAGAGCATTGTTTGGCCCTTCTGAGTGTGTACCAGCTGAGCACCAC
GGCACAGCACAGACACCTAGTGCTCTCGGAAGTCCCTGGATGCCCCCTCTTGGCCAGGAGTCTACCGCCTGTCC
ATGTCCCTGATGGAGCAGCTGCTCAAACTCTGCGCTACAACCTCCTGCCTGAGGCCCTGGACTTCGTGGGTGTC
CACCAGGAGCGGACCTTACAGTGCCTCAACGCAGTGAGGACAGTGCAGAGTCTGGCCTGCCTGGAGGAGGCGGAC
CACACCGTGGGTTTTATTCTGCAGCTCTTAACCTCATGAAGGAGTGGCACTTCCACCTGCCTCAGCTCATGCGT
GATATCCAGGTCAACCTGGGTTACTTGTGCCAGGCATGTACCTCTCTCCTGCACAGTCAAGAGATGCTGCAGCAT
TACTTACAGAACAAAAATGGGGATGGCCTCCCCCTCAGCTGTTGCCAGCGAGTCCAGAGGCCACCGTCTGCTGCT
TCTGCTGCCCCCTCCTCCTCAAAGCAGCCCGCTGCTGACACAGAGGCATCAGAGCAGCAGGCCTTGACACAGTC
CAGTATGGCCTTCTCAAGATCCTCAGCAAGACGCTGGCAGCCCTGCGCCACTTCACCCAGATGTCTGCCAGATT
CTGCTGGATCAGTCCCTGGACCTTGCTGAATACAACCTTCTGTTGCCCTGAGCTTTACCCTCCACCTTTGAC

3017/6881
FIGURE 2784B

TCCGAAGTGGCCCCCTCCTTCGGGACCCTTCTGGCCACAGTGAATGTGGCCCTCAACATGCTTGGAGAGCTGGAC
AAGAAAAAGGAGCCCCTCAGCCAGGCAGTGGGGCTCAGCACACAGGCAGAAGGGACCAGGACGTTAAAGTCCCTC
CTGATGTTTACCATGGAAAAGTCTTCTACCTGCTCATCTCTCAGGCGATGCGGTACCTTAGGGACCCGGCTGTG
CACCCCGGGACAAACAGCGGATGAAGCAGGAGCTCAGCTCTGAGTTGAGCACGCTGCTGTCCAGCCTCTCGCGC
TACTTCCGCCGGGGAGCCCCAGCTCCCCTGCCACTGGTGTCTCTCCCTCGCCGCAGGGCAAGTCCACCTCTCTC
TCCAAAGCCAGCCCTGAGAGTCAGGAGCCTCTGATCCAGTTGGTGCAGGCGTTTGTCCGGCATATGCAAAGATAG
GGCAGTGCTGTTCTGCCCACCTACCCCTCTCCACCAGCCTACACTGCACCCTGGCTGGCAGGGGTGCTGCTGGCT
GCTAGGGCCTATACAATGGAGGGCACCTCCTGTACCCCCCTCCCGGAGTAGCCACGACTCCAGCCACCACCCAC
TGACGTTATTTTTATACTAGATGAAGAGGTCAACAGCAGGCATGGGGAGCCGAGTCTTCTGTGCTCAGGTCCTCA
CGCTGCAGACGCCCCCTAGAGGAACTTTCCTTCCTTTCCAGCATTCCCCACAGCACTGCCGGCCAGGGGAGAGGC
GGCAGCCCAGCAGAGGGCTCTATGCACGGGTTTCAAACCTGTTTTCCACACTCTGTCTTTGCAGTTTTGGTAATT
CTGTGGTCTATTTATACAGATATTTAAATCTTGTTTATAG

3018/6881
FIGURE 2785

MASGGGVRASGRAKMAAAAGGPCVRSSRELWTILLGRSALRELSQIEAELNKHWRRLLEGLSYYKPPSPSSAEKV
KANKDVASPLKELGLRISKFLGLDEEQSVQLLQCYLQEDYRGTRDSVKTVLQDERQSQUALILKIADYYYEERTCI
LRCVLHLLTYFQDERHPYRVEYADCVDKLEKELVSKYRQQFEELYKTEAPTWETHGNLMTERQVSRWFVQCLREQ
SMLLEIIFLYYAYFEMAPSDLLVLTKMFKEQGFGSRQTNRHLDVDETMDPFVDRIGYFSALILVEGMDIESLHKCA
LDDRRELHQFAQDGLICQDMDCMLTTFGDIPHHAPVLLAWALLRHTLNPEETSSVVRKIGGTAIQLNVFYQLTRL
LQSLASGGNDCTTSTACMCVYGLLSFVLTSLELHTLGNQQDIIDTACEVLADPSLPELFWGTEPTSGLGIILDSV
CGMFPHLLSPLLQLLRALVSGKSTAKKVYSFLDKMSFYNELYKHKHPHDVISHEDGTLWRRQTPKLLYPLGGQTNL
RIPQGTVGQVMLDDRAYLVRWEYSYSSWTLFTCEIEMLLHVSTADVIQHCQRVKPIIDLHVHKVISTDLSIADCL
LPITSRIYMLLQRLTTVISPPVDVIASCVNCLTVLAARNPAKVWTDLRHTGFLPFVAHPVSSLSQMISAEGMNAG
GYGNLLMNSEQPQGEYGVTFIAFLRLITTLVKGQLGSTQSQGLVPCVMFVLKEMPLSYHKWRYNSHGVREQIGCLI
LELIHAILNLCHETDLHSSHTPSLQFLCICSLAYTEAGQTVINIMGIGVDTIDMVMAAQPRSDGAEQGQGQLLI
KTVKLAFSVTNNVIRLKPPSNVVSPLAQALSQHGAGNNLI AVLAKYIYHKHDPALPRLAIQLLKRLATVAPMSV
YACLGNDAAAIRDAFLTRLQSKIEDMRIKVMILEFLTAVETQPGLIELFLNLEVKDGS DGSKEFSLGMWSCLHA
VLELIDSQQQDRYWCPPLLHRAAIAFLHALWQDRDSAMLVLRTPKPFWENLTSPLFGTLSPSETSEPSILETC
ALIMKIIICLEIYYVVGSLDQSLKDTLKKFSIEKRFAYWSGYVKS LAVHVAETEGSSCTSLLEYQMLVSAWRMLL
IIATTHADIMHLTDSVVRQLFLDVLDGKALLLVASVNCRLRLGSMKCTLLLLILLRQWKSILSRELGSVDEILG
PLTEILEGVLQADQQLMEKTKAKVFSAFITVLQMKEMKVSDIPQYSQVLVNCETLQEEVIALFDQTRHSLALGS
ATEDKDSMETDDCSRSRHRDQRDGVCLGLHLAKELCEVDEDGDSWLQVTRRLPILPTLLTTLEVSLRMKQNLHF
TEATLHLLLTARTQQGATAVAGAGITQSICLPLLSVYQLSTNGTAQTPSASRKSLDAPSWPGVYRLSMSLMEQL
LKTLRYNFLPEALDFVGVHQERTLQCLNAVRTVQSLACLEADHTVGFILQLSNFMKEWHFHLPLQLMRDIQVNLG
YLCQACTSLLHSRKMLQHLYLQNKNGDGLPSAVAQRVQRPPSAASAAPSSSKQPAADTEASEQQALHTVQYGLLKI
LSKTLAALRHFTPDVCQILLDQSLDLAEYNFLFALSFTTPTFDSEVAPSGTLLATVNVALNMLGELDKKKEPLT
QAVGLSTQAEGRTRLKSLLMFTMENC FYLLISQAMRYLRDPAVHPRDKQRMKQELSSSELSTLLSSLSRYFRRGAP
SSPATGVLPSPQ GKSTSLSKASPESQEPLIQLVQAFVRHMQR

3019/6881
FIGURE 2786

AATTTGGCCAGGCTGAGAAGACTGAGCTTGATGCCCACCTTTGAAAACCTTCTGGCCCCGGGCAGACAGCACCAAGA
ACTGGACAGAGAAGATCTTGAGGCAGACAGAGGTGCTGCTGCAGCCCAACCCAGTGCCCGAGTGGAGGAGTTCC
TGTATGAGAAGCTGGACAGGAAGGTCCCCCTCAAGGGTCACCAACGGGGAGCTGCTGGCTCAGTACATGGCAGACG
CGGCCAGTGAGCTGGGGCCGACCACCCCTATGGGAAGACACTGATCAAGGTGGCAGAAGCTGAAAAGCAACTGG
GAGCCGCGGAGAGGGATTTTATCCACACGGCCTCCATCAGCTTCCTCACACCCTTGCGCAACTTCCTGGAGGGGG
ACTGGAAGACCATCTCGAAGGAGAGGCGGCTCCTCCAAAACCGGCGTCTGGACTTGGATGCCTGCAAAGCGAGGC
TGAAGAAGGCCAAGGCTGCAGAAGCCAAAGCCACGTGTGAGGGGAGATACGGTGCTGACTTTTCAGGAGACTAGAC
CTCGTAATTACATTCTCTCGGCCAGCGCCTCCGCGCTCTGGAATGATGAAGTGGACAAGGCCGAGCAGGAGCTCC
GCGTGGCCCAGACAGAGTTTGACCGGCAAGCAGAAGTGACCCGTCTCTTGCTGGAGGGAATCAGTAGCACTCACG
TGAACCACCTGCGCTGCCTCCACGAGTTCGTCAAGTCTCAGACAACCTACTACGCACAGTGCTACCGCCACATGC
TGGACTTGCAAGAAGCAGCTGGGCAGCTCCCAGGGTGCCATATTTCCCGGCACCTTCGTGGGCACCACAGAGCCCG
CCTCCCCACCCCTGAGCAGCACCTCACCCACCACTGCTGCGGCCACTATGCCTGTGGTGCCCTCTGTGGCCAGCC
TGGCCCCCTCCGGGGGAGGCCTCGCTCTGCCTGGAAGAGGTGGCCCCCCTGCCAGTGGGACCCGCAAAGCTCGGG
TGCTCTATGACTACGAGGCAGCCGACAGCAGTGAGCTGGCCCTGCTGGCTGATGAGCTCATCACTGTCTACAGCC
TGCCTGGCATGGACCCTGACTGGCTCATTGGCGAGAGAGGCAACAAGAAGGGCAAGGTCCCTGTCACCTACTTGG
AACTGCTCAGCTAGGCAGGTGCCCCCATCCCCCGCATTCTGGCCTAGGCAGGAGAGGATGGGCGCAGCCCTGC
CACTTAACCTTGTTTGTGGTGACACAGTTGTTTCAAGTGGGGAGAATTCACCCCATTTCTGTCCCTGCCCCCTAGTC
ACCTAGCTGTGAGGGTGCCTGAGGCTGAATGGCTCCACCCCTCCCCAGCCCTGCTTCTGACCTGTGGCTCTGGA
GCCCCCTGCCCCCTGCCTGCATCCCCGAGCACCCACCCCTCCAGGCTCCACTAAGGAGGGAGGGGCTGTCTGCAGCA
GCTGCACTCAGCACCTAGGCCAGGGTGGGGCCGCCGAGATGGGCTCAGGAAGCCCCAGGTGCACTCAGCGAGAG
CCCTGCCTTTTCAGTTGCCAAAAGCTGCATCAGGGGAATGCGGCAAGGCACACAGGGCTCTGGCAGCCCCTGGGGA
CTGGGCGCTGCCCCCTGGGAGGGGAGAGCCTGGCCAGGGCTGGTGTGGGGCCCGAGCAGCATCTTCCGGTGCTAT
CCTCCCCCTCCCACCCCTCACAGCTCAAGCCAAGTCCAGCGGCCGC

3020/6881
FIGURE 2787

ATGCGCCCCGCGCGCCCCGCACTGACATGGCCGTCGCCCCGTTCCGCGCGTCCGCGCGCGCGCGCGCGTAAATAG
GCTTGCTCCCTGAGCGCCCCGCACCGACATGGCGGCCGTCTTCGCTGTGGTGACTTTAACTCTCGGTTTTTCGGTT
ATAGCCGGCCGGCGCTCACTTGTCTTCAGGAAGCTCGGAGCCTTTGGTGGAGCCGGGGAGAGGAAGGGTGGGTGC
AAGAGTGAAAGGCGAGAGGGGACTGCAAGCATCCGGGTCGGCTCCTGGCCGGAGCAAGATGGCTGAGGGCGAGCG
GCAGCCGCCGCCAGATTCTTCAGAGGAGGCCCCCTCCAGCCACTCAGAACTTCATCATTCCAAAAAGGAGATCCA
CACAGTTCCAGACATGGGCAAATGGAAGCGTTCTCAGGCATACGCTGACTACATCGGATTTCATCCTTACCCTCAA
CGAAGGTGTGAAGGGGAAGAAGCTGACCTTCGAGTACAGAGTCTCCGAGATGTGGAATGAGGTTTCATGAGGAAAA
GGAGCAGGCTGCAAAGCAGAGTGTGTCTCGCATGAATGCATACCATTACCCCGCGCCGGGCACTGTGCACCTTC
GGAGGCCATTGAGAACTAGTCGCTCTTCTCAACACGCTGGACAGGTGGATTGATGAGACTCCTCCAGTGGACCA
GCCCTCTCGGTTTGGGAATAAGGCATACAGGACCTGGTATGCCAACTTGATGAGGAAGCAGAAAACTTGGTGGC
CACAGTGGTCCCTACCCATCTGGCAGCTGCTGTGCCTGAGGTGGCTGTTTACCTAAAGGAGTCAGTGGGGAACTC
CACGCGCATTGACTACGGCACAGGGCATGAGGCAGCCTTCGCTGCTTTCCTCTGCTGTCTCTGCAAGATTGGGGT
GCTCCGGGTGGATGACCAAATAGCTATTGTCTTCAAGGTGTTCAATCGGTACCTTGAGGTTATGCGGAACTCCA
GAAAACATACAGGATGGAGCCAGCCGGCAGCCAGGGAGTGTGGGGTCTGGATGACTTCCAGTTTCTGCCCTTCAT
CTGGGGCAGTTTCGAGCTGATAGACCACCCATACCTGGAGCCAGACACTTGTGGATGAGAAGGCCGTGAATGA
GAACCACAAGGACTACATGTTCTGGAGTGTATCCTGTTTATTACCGAGATGAAGACTGGCCCATTTCAGAGCA
CTCCAACCAGCTGTGGAACATCAGCGCCGTCCCTTCCTGGTCCAAAGTGAACCAGGGTCTCATCCGCATGTATAA
GGCCGAGTGCCTGGAGAAGTTCCCTGTGATCCAGCACTTCAAGTTCGGGAGCCTGCTGCCCATCCATCCTGTAC
GTCGGGCTAGGAGGGGCCAAGCCGAAGAGCCACCCAGGCCACAGTTCTGTGCCTGCCTTCCCCACCCAGCAGT
GGCCCCCTCCCCATCCCCTCCCTCTGTTTCGTCCTGTTTATGAGAGGCTGTTTACTGGGGTGGGGTGGCGAGATGG
GCTTGAGGGGGCTCAGAGCATAAGGCTTCAGGGCCCCAAGTTGGGAGAAGTGACCAAAGTGTAGCCAGTTTTCTGA
GTTCCCGTGTGCTAGACTGGCCAGAAGAGAGGGTCTGGGGCCTGGTCACTCGGCCACTCTCTCTGTTTCTGGCC
TCTTCTCCCTTCACTCCCCTCCAGTCTGGTTTTGAGAGCAGGGGCTGTTCTGCAGCACCCGAGGGAAGGGAGGAG
AGATACCTGCTGCTTCCATTGCTTTTCCCTTCCTGGAGTCGATGCCTTTCTAAGGGTTGGAGCTGCTCCTTGCAG
GGGCGGGTCAGTTTCCAGGCCATGCCGGGGTGGCCATCTATGGTAGGGCTGGAAGCTGAGGCTGGCCGCCAGCT
GTGGGCTGGGGTGGGGTGGGTGGGGTGGGTGGTGGAGAGGCCTTAGCTGTCTCTGGCTGGTGGCCCTCCAGGCT
CCTTTTACCCCTGCCCCCTGGGCCCTGAGGCCCTGTGTCCAAGCCTCCCCCTGGCTCTTCAGTTCTCTAGCCCT
TGGCTCTGCTGGGTTTCTGACTGTAGCCACATCTCTCCCGCTCCCTAAGGGTAACCTAGCCAATGGAAGCTGCC
CTTTGGGTAGGTGCTGGGCTCCTGGGAGGGGCCAGATGATGGGGTGGGATGTCTTTCCAGAACTTTCCCTGGC
AGGGAGGGGATGGCAGAACTCAGGGAGGGGCTTGGGGCCATTGTATCTGGAGAGCCTGGATTCTCTTGGCAG
TCTTAGGCCCCGCCACTTCTGCTACCTTTGCGCTGCTGTGAGCCTCACCTGGGCCCCCTGGGCCCTGCTTCTCTG
CTCCCCTGGGTGATGGGTGGGCCCAGAAGGTGGCAGTCCACACCTTGTCTCTCCACCTCCCTGAAGTGTCCATT
GCTTTTATAGGGTGGAGTAAGAGACAGCCTCCCAAGCCAGGCTTTGGCACTCAGAATGGGCCAGTGGGGGCTG
GGCAGGCCCATGAGGGCCACCGCCGAGTTTTCTCCTAGGGCTGTTCTTGGGCCCTGGCTCTTACAGGCTCGTCCC
CCAGGCCTGCCCTTCTCCACTGCCCCCTCCTGTGTCTGGGTCCACACACCTTCAGGAAGGGGGAGCACTGAGAA
GCACAGCACAGGGGCTCAGCCTGGGATCCGGTGATGGTCTGGGCAGAGGCTGGGTGAGGATCCCAAAGGTCAGT
GACAGTTTCTCAGAAGAGGGCCAGCGTCCACCTCTCTCCAGGGCCAGACAGCCCTTCTGGCTCCCCCATCCCC
CTATGGGCTCCCAGCCCCCTTGACCCCTCATTGCTGTTTCAAGCTCTGTTTTGCACCTGT

3021/6881
FIGURE 2788

MSSKLLPAGAHLSGSSSEPLVEPGRGRVGARVKGERGLQASGSAPGRSKMAEGERQPPPDSSSEEAPPATQNFII
PKKEIHTVPDMGKWKRSQAYADYIGFILTLNEG VKGKKLTFEYRVSEMWNEVHEEKEQAAKQSVSCDECIPLPRA
GHCAPSEAIEKLVALNLTDRWIDETPPVDQPSRFGNKAYRTWYAKLDEEAENLVATVVPTHLAAVPEVAVYLK
ESVGNSTRIDYGTGHEAAFAAFLCCLCKIGVLRVDDQIAIVFKVFNRYLEVMRKLQKTYRMEPAGSQGVWGLDDF
QFLPFIWGSSQLIDHPYLEPRHFVDEKAVNENHKDYMFLCILFITEMKTGPFAEHSNQLWNI SAVPSWSKVNQG
LIRMYKAECLEKFPVIQHFKFGSLLPIHPVTSG

3022/6881
FIGURE 2789

ATGGAGTGGCCCTGGACGCCCAGAGCCTGATCAGCATCTCCCTGCGCAAGATCCACAGCTCCCGAACCCAGCGC
GGCGGCATCAAGCTGCACAAGAACCCTCCTGCGCGCCCGCTTCGAGGACTTCTGCCC GGACTCGTCCCCGGACGCG
TCCAACATCTCAAAC TTGATCTCCATCTTTGGCTCCGGCTTCTCGGGGCTGGTGAGCCGACAGCCGGACTCCTCG
GAGCAGCCGCCCGCCGCTCAACGGGCAGCTGTGCGCCAAGCAGGCGCTCGCCAGCCTCGGCGCCTGGACTCGAGCC
ATTGTCGCCTTCTAG

3023/6881
FIGURE 2790A

ACAGCACAGACAGATTGACCTATTGGGGTGTTCGCGAGTGTGAGAGGGAAGCGCCGCGGCCTGTATTTCTAGAC
CTGCCCTTCGCCTGGTTCGTGGCGCCTTGTGACCCCGGGCCCCCTGCCGCTGCAAGTCGGAAATTGCGCTGTGCT
CCTGTGCTACGGCCTGTGGCTGGACTGCCTGCTGCTGCCCAACTGGCTGGCAAGATGAAGCTCTCCCTGGTGGCC
GCGATGCTGCTGCTGCTCAGCGCGGCGCGGGCCGAGGAGGAGGACAAGAAGGAGGACGTGGGCACGGTGGTCCGGC
ATCGACCTGGGGACCACCTACTCCTGCGTCGGCGTGTTCGAAGAACGGCCGCGTGGAGATCATGCCAACGATCAG
GGCAACCGCATCACGCCGTCCTATGTCGCCCTTCACTCCTGAAGGGGAACGTCTGATTGGCGATGCCGCCAAGAAC
CAGCTCACCTCCAACCCCGAGAACACGGTCTTTGACGCCAAGCGGCTCATCGGCCGCACGTGGAATGACCCGTCT
GTGCAGCAGGACATCAAGTTCTTGCCGTTCAAGGTGGTTGAAAAGAAAATAAAACCATACTTCAAGTTGATATT
GGAGGTGGGCAAAACAAAGACATTTGCTCCTGAAGAAATTTCTGCCATGGTTCTCACTAAAATGAAAGAAACCGCT
GAGGCTTATTTGGGAAAAGAGGTTACCCATGCAGTTGTTACTGTACCAGCCTATTTTAATGATGCCAACGCCAA
GCAACCAAAGACGCTGGAACCTATTGCTGGCCTAAATGTTATGAGGATCATCAACGAGCCTACGGCAGCTGCTATT
GCTTATGGCCTGGATAAGAGGGAGGGGAGAAGAACATCCTGGTGTGTTGACCTGGGTGGCGGAACCTTCGATGTG
TCTCTTCTCACCATTGACAATGGTGTCTTCGAAGTTGTGGCCACTAATGGAGATACTCATCTGGGTGGAGAAGAC
TTTGACCAGCGTGTATGGAACACTTCATCAAAGTGTACAAAAGAAGACGGGCAAGATGTCAGGAAAGACAAT
AGAGCTGTGCAGAACTCCGGCGCGAGGTAGAAAAGGCCAAACGGGCCCTGTCTTCTCAGCATCAAGCAAGAATT
GAAATTGAGTCCTTCTATGAAGGAGAAGACTTTTCTGAGACCCTGACTCGGGCCAAATTTGAAGAGCTCAACATG
GATCTGTTCCGGTCTACTATGAAGCCCGTCCAGAAAGTGTGGAAGATTCTGATTTGAAGAAGTCTGATATTGAT
GAAATTGTTCTTGTGGTGGCTCGACTCGAATTCCAAAGATTGAGCAACTGGTTAAAGAGTCTTCAATGGCAAG
GAACCATCCCGTGGCATAAAACCCAGATGAAGCTGTAGCGTATGGTGTCTGCTGTCCAGGCTGGTGTGCTCTCTGGT
GATCAAGATACAGGTGACCTGGTACTGCTTGATGTATGTCCCCTTACACTTGGTATTGAACTGTGGGAGGTGTC
ATGACCAAAGTATTCCAAGGAACACAGTGGTGCTTACCAAGAAGTCTCAGATCTTTTCTACAGCTTCTGATAAT
CAACCAACTGTTACAATCAAGGTCTATGAAGGTGAAAGACCCCTGACAAAAGACAATCATCTTCTGGGTACATTT
GATCTGACTGGAATTCCTCCTGCTCCTCGTGGGGTCCCACAGATTGAAGTCACCTTTGAGATAGATGTGAATGGT
ATTCTTCGAGTGACAGCTGAAGACAAGGGTACAGGGAACAAAAATAAGATCACAATCACCATGACCAGAATCGC
CTGACACCTGAAGAAATCGAAAGGATGGTTAATGATGCTGAGAAGTTTGTGAGGAAGACAAAAGCTCAAGGAG
CGCATTGATACTAGAAATGAGTTGGAAGCTATGCCTATTTCTTAAAGAATCAGATTGGAGATAAAGAAAAGCTG
GGAGGTAACTTTCTCTGAAGATAAGGAGACCATGGAAAAAGCTGTAGAAGAAAAGATTGAATGGCTGGAAAGC
CACCAAGATGCTGACATTGAAGACTTCAAAGCTAAGAAGAAGGAAGTGAAGAAAATTGTTCAACCAATTATCAGC
AACTCTATGGAAGTGCAGGCCCTCCCCCACTGGTGAAGAGGATACAGCAGAAAAAGATGAGTTGTAGACACTG
ATCTGCTAGTGCTGTAATATTGTAAATACTGGACTCAGGAACCTTTGTTAGGAAAAAATTGAAAGAACTTAAGTC
TCGAATGTAATTGGAATCTTACCTCAGAGTGGAGTTGAAACTGCTATAGCCTAAGCGGCTGTTTACTGCTTTTC
ATTAGCAGTTGCTCACATGTCTTTGGGTGGGGGGGAGAAGAAGAAATTGGCCATCTTAAAAAGCAGGTAAAAAACC
TGGGTTAGGGTGTGTGTTACCTTCAAATGTTCTATTTAACAAGTGGGTCATGTGCATCTGGTGTAGGAAGTTT
TTTCTACCATAAGTGACACCAATAAATGTTTGTATTTACACTGGTCTAATGTTTGTGAGAAGCTTCTAATTAGA
TCAATTACTTATTTTAGGAAATTTAAGACTAGATACTCGTGTGTGGGGTGAGGGGAGGGAGTATTTGGTATGTTG
GGATAAGGAAACACTTCTATTTAATGCTTCCAGGGATTTTTTTTTTTTTTTTTTTTAAACCCTCCTGGGCCCCAAGTGA
TCCTTCCACCTCAGTCTCCAGCTAATTGAGACCACAGGCTTGTTACCACCATGCTCGGCTTTTGCATTAATCTA
AGAAAAGGGGAGAGAAGTTAATCCACATCTTTACTCAGGCAAGGGGCATTTACAGTGCCCAAGAGTGGGGTTTT
CTTGAACATACTTGGTTTCTTATTTCCCTTATCTTTCTAAACTGCCTTTCTGGTGGCTTTTTTTTAAATATT
ACTAATGATGCTTTTATAGCTGCTTGGATTCTCTGAGAAATGATGGGGAGTGAGTGATCACTGGTATTAACCTTTA
TACACTGGATTTCATTTGTAACCTTTAGGATGTAAAGGTATATTGTGAACCTAGCTGTGTCAGAATCTCCATCC
CTGAAATTTCTCATTAGTGGTACTGGGGTGGGATCTTGGATGGTGACATTGAAACTACACTAAATCCCCTCACTA
TGAATGGGTGTTTAAAGGCAATGGTTTGTGTCAAACCTGGTTTAGGATTACTTAGATTGTGTTCTGAAGAAAAG
AGTCCAGGTAAATGGTATGATCAATAAAGGACAGGCTGGTGCTAACATAAAATCCAATATTGTAATCCTAGCACT
TTGGGAGGCCAAGGCGGGTGGATCACAAGGTCAAGAGATAGAGACCATCTTTGCCAACATGGTGAAGTCCATCT
CTACTGAAAATACAAAAATTAGCTGGGCGTGGTAGTGCAAGCTGAAGGCTGAGGCAGGAGAATCACTCGAACCCG
GGAGGCAGAGGTTGAGTGAGCCGAGATCACACCACTGTACTCCAGCCCGGCACTCCAGCCTGGCGACAAGAGTG
AGACTCCACCTCAAAAAAAAAAAAAAGAATCCAATACTGCCCAAGGATAGGTATTTTATAGATGGGCAACTGGCT

3024/6881

FIGURE 2790B

GAAAGGTTAATTCTCTAGGGCTAGTAGAACTGGATCCCAACACCAAACCTCTTAATTAGACCTAGGCCTCAGCTGC
ACTGCCCCGAAAAGCATTGTTGGGCAGACCCTGAGCAGAATACTGGTCTCAGGCCAAGCCCAATACAGCCATTAAAGA
TGACCTACAGTGCTGTGTACCCTGGGGCAATAGGGTTAAATGGTAGTTAGCAACTAGGGCTAGTCTTCCCTTACC
TCAAAGGCTCTCACTACCGTGGACCACCTAGTCTGTAACTCTTTCTGAGGAGCTGTTACTGAATATTAAAAAGAT
AGACTTCAAAAAAAAAAAAAAAAAAAAAA

3025/6881
FIGURE 2791

MKLSLVAAML LLLS AARAEEDKKEDVGT VVGIDLGTTYSCVGVFKNGRVEIIANDQGNRITPSYVAF TPEGERL
IGDAAKNQLTSNPENTVFD AKRLIGRTWNDPSVQQDIKFLPFKVVEKKT KPYIQVDIGGGQTKTFAPEEISAMVL
TKMKETA EAYLGKKVTHAVVTVPAYFNDAQRQATKDAGTIAGLNMRIINEPTAAAIAYGLDKREGEKNILVFDL
GGGTFDVSLLTIDNGVFEVVATNGDTHLGGEDFDQRM EHF IKLYKKKTGKDVRKDNRAVQKL RREVEKAKRALS
SQHQARIEIESFYEGEDFSETL TRAKFEELNMDLFRSTMKPVQKVLEDS DLKKSDIDEIVLVGGSTRIPKIQQLV
KEFFNGKEPSRGINPDEAVAYGA AVQAGVLSGDQDTGDLVLLDVCPLTLGIETVGGVMTKLIPRNTVVPTKKSQI
FSTASDNQPTVTIKVYEGERPLTKDNHLLGTFDLTGIPPAPRGVPQIEVTFEIDVNGILRVTAEDKGTGNKNKIT
ITNDQNRLTPEEIERMVNDAEKFAEEDKKLKERIDTRNELESYAYSLKNQIGDKEKLGGKLSS EDKETMEKAVEE
KIEWLESHQDADIEDFKAKKKELEEIVQPIISKLYGSAGPPPTGEEDTAEKDEL

3026/6881
FIGURE 2792

CCTAAGTCGCCGCAGAACTGCCACGTGGGGATGAGATTTGCTGGGCTGGTAGCGGCGGGCTGCTGCGGGGAGGTCC
CGCCCACGTGAAGCCAGCCTAACTGAGCTCTGGACTTTGGGGACAGCTGTCAGTGGCCTAGGCCGCAGGACACCA
TGAAGCAACTGCCAGTCTTGGAACCTGGAGACAAGCCCAGGAAAGCAACATGGTACACCTTGACTGTCCCTGGAG
ACAGCCCCCTGTGCTCGAGTTGGCCACAGCTGTTTCATATTTACCCCCAGTTGGTAATGCCAAGAGAGGGAAGGTCT
TCATTGTTGGGGGAGCAAATCCAAACAGAAGCTTCTCAGACGTGCACACCATGGATCTGGGAAAACACCACTGGG
ACTTAGATACCTGCAAGGGCCTCTTGCCCCGGTATGAACATGCTAGCTTCATTCCCTCCTGCACACCTGACCGTA
TTTGGGTATTTGGAGGTGCCAACCAATCAGGAAATCGAAATTGTCTACAAGTCCTGAATCCTGAAACCAGGACGT
GGACCACGCCAGAAGTGACCAGCCCCCACCATCCCCAAGAACATTCCACACATCATCGGCAGCCATTGGAAACC
AGCTATATGTCTTTGGGGGTGGAGAGAGAGGTTGCCAGCCCGTGCAGGACACGAAGCTGCATGTGTTTGACGCAA
ACACTCTGACCTGGTCACAGCCAGAGACACTTGGAATCCTCCATCTCCCCGGCATGGTCATGTGATGGTGGCAG
CAGGGACAAAGCTCTTCATCCACGGAGGCTTGCGGGGGACAGATTCTATGATGACCTCCACTGCATTGATATAA
GTGACATGAAATGGCAGAAGCTAAATCCCACTGGGGCTGCTCCAGCAGGCTGTGCTGCCCCTCAGCTGTGGCCA
TGGGAAAACATGTGTACATCTTTGGTGAATGACTCCTGCAGGAGCACTGGACACAATGTACCAGTATCACACAG
AAGAGCAGCATTGGACCTTGCTTAAATTTGATACTCTTCTACCCCCTGGACGATTGGACCATTCCATGTGTATCA
TTCCATGGCCAGTGACGTGTGCTTCTGAGAAAGAAGATTCCAACCTCTCTCACTCTGAACCATGAAGCTGAGAAAG
AGGATTCAAGTTGACAAAGTAATGAGCCACAGTGGTGACTCACATGAGGAAAGCCAGACTGCTACACTGCTCTGTT
TGGTGTGTTGGTGGGATGAATACAGAAGGGGAAATCTATGACGATTGTATTGTGACTGTAGTGGACT**TAATA**AAACC
CACATTTTATTAAAAA

3027/6881
FIGURE 2793

MKQLPVLEPGDKPRKATWYTLTVPGDSPCARVGHSCSYLPPVGNARGKVFIVGGANPNRSFSDVHTMDLGKHQW
DLDTCKGLLPRIEYHASFIPSCTPDRIWVFGGANQSGNRNCLQVLNPETRTWTTPEVTSPPPSPRTFHTSSAAIGN
QLYVFGGGERGAQPVDTKLHVFDANTLTWSQPETLGNPPSPRHGHVMVAAGTKLFIHGGLAGDRFYDDLHCIDI
SDMKWQKLNP TGAAPAGCAAHSAMGKHVYIFGGMTPAGALDTMYQYHTEEQHWTLKFDTLPPGRLDHSMCI
IPWPVTCASEKEDSNSLTNLNHEAEKEDSVDKVMESHSGDSHEESQTATLLCLVFGGMNTEGEIYDDCIVTVVD

3028/6881
FIGURE 2794

CTTCCTCTTTCCCTCGGAGCGGGCGGCGGCGTTGGCGGCTTGTGCAGCAATGGCCAAGATCAAGGCTCGAGATCT
TCGCGGGAAGAAGAAGGAGGAGCTGCTGAAACAGCTGGACGACCTGAAGGTGGAGCTGTCCCAGCTGCGCGTCGC
CAAAGTGACAGGCGGTGCGGCCTCCAAGCTCTCTAAGATCCGAGTCGTCCGGAATCCATTGCCCCGTGTTCTCAC
AGTTATTAACCAGACTCAGAAAGAAAACCTCAGGAAATTCTACAAGGGCAAGAAGTACAAGCCCCCTGGACCTGCG
GCCTAAGAAGACACGTGCCATGCGCCGCCGGCTCAACAAGCACGAGGAGAACCTGAAGACCAAGAAGCAGCAGCG
GAAGGAGCGGCTGTACCCGCTGCGGAAGTACGCGGTCAAGGCCTTGAGGGGCGCATTGTCAATAAAGCACAGCTGG
CTGAG

3029/6881
FIGURE 2795

MAKIKARDLRGKKKEELLKQLDDLKVELSQLRVAKVTGGAASKLSKIRVVRKSIARVLTVINQTKENLRKFYKG
KKYKPLDLRPKKTRAMRRRLNKHEENLTKKQQRKERLYPLRKYAVKA

3030/6881
FIGURE 2796

GCCGTGTCGCCACCATGGCTCCGCACCGCCCCGCGCCCGCGCTGCTTTGCGCGCTGTCCCTGGCGCTGTGCGCGC
TGTCGCTGCCCCGTCCGCGCGGCCACTGCGTCGCGGGGGCGTCCCAGGCGGGGGCGCCCCAGGGGCGGGTGCCCCG
AGGCGCGGCCAACAGCATGGTGGTGGAAACACCCGAGTTCTCAAGGCAGGGAAGGAGCCTGGCCTGCAGATCT
GGCGTGTGGAGAACTTCGATCTGGTGCCCGTGCCACCAACCTTTATGGAGACTTCTTCACGGGCGACGCCTACG
TCATCTGAAGACAGTGCAGCTGAGGAACGGAATCTGCAGTATGACCTCCACTACTGGCTGGGCAATGAGTGCA
GCCAGGATGAGAGCGGGGCGGCCGCCATCTTTACCGTGAGCTGGATGACTACCTGAACGGCCGGGCGCTGCAGC
ACCGTGAGGTCCAGGGCTTCGAGTCGGCCACCTTCCTAGGCTACTTCAAGTCTGGCCTGAAGTACAAGAAAGGAG
GTGTGGCATCAGGATTCAAGCACGTGGTACCCAACGAGGTGGTGGTGCAGAGACTCTTCAGGTCAAAGGGCGGC
GTGTGGTCCGTGCCACCGAGGTACCTGTGTCTGGGAGAGCTTCAACAATGGCGACTGCTTCATCTGGACCTGG
GCAACAACATCCACCAAGTGGTGTGGTTCCAACAGCAATCGGTATGAAAGACTGAAGGCCACACAGGTGTCCAAGG
GCATCCGGGACAACGAGCGGAGTGGCCGGGCCCCGAGTGCACGTGTCTGAGGAGGGCACTGAGCCCGAGGCGATGC
TCCAGGTGCTGGGCCCCAAGCCGGCTCTGCCTGCAGGTACCGAGGACACCGCCAAGGAGGATGCGGCCAACCGCA
AGCTGGCCAAGCTCTACAAGGTCTCCAATGGTGCAGGGACCATGTCCGTCTCCCTCGTGGCTGATGAGAACCCCT
TCGCCCAGGGGGCCCTGAAGTCAGAGGACTGCTTCATCTGGACCACGGCAAAGATGGGAAAATCTTTGTCTGGA
AAGGCAAGCAGGCAAAACCGGAGGAGAGGAAGGCTGCCCTCAAACAGCCTCTGACTTCATCACCAGATGGACT
ACCCCAAGCAGACTCAGGTCTCGGTCTCTCTGAGGGCGGTGAGACCCCACTGTTCAAGCAGTTCTTCAAGAACT
GGCGGGACCCAGACCAGACAGATGGCCTGGGCTTGTCTACCTTTCCAGCCATATCGCCAACGTGGAGCGGGTGC
CCTTCGACGCCGCCACCTGCACACCTCCACTGCCATGGCCGCCAGCACGGCATGGATGACGATGGCACAGGCC
AGAAACAGATCTGGAGAATCGAAGGTTCCAACAAGGTGCCCGTGGACCTGCCACATATGGACAGTTCTATGGAG
GCGACAGCTACATCATTCTGTACAACCTACCGCCATGGTGGCCGCCAGGGGCAGATAATCTATAACTGGCAGGGTG
CCCAGTCTACCCAGGATGAGGTGCTGTCATCTGCCATCTGACTGCTCAGCTGGATGAGGAGCTGGGAGGTACCC
CTGTCCAGAGCCGTGTGGTCCAAGGCAAGGAGCCCCGCCACCTCATGAGCCTGTTTGGTGGGAAGCCCATGATCA
TCTACAAGGGCGGCACCTCCC GCGAGGGCGGGCAGACAGCCCTGCCAGCACCCGCCTCTTCCAGGTCCGCGCCA
ACAGCGCTGGAGCCACCCGGGCTGTTGAGGTATTGCCTAAGGCTGGTGCCTGAAGTCCAACGATGCCTTTGTTC
TGAAAACCCCTCAGCCGCCTACCTGTGGGTGGGTACAGGAGCCAGCGAGGCAGAGAAGACGGGGGGCCAGGAGC
TGCTCAGGGTGTGCGGGCCCAACCTGTGCAGGTGGCAGAAGGCAGCGAGCCAGATGGCTTCTGGGAGGCCCTGG
GCGGGAAGGCTGCCTACCGCACATCCCCACGGCTGAAGGACAAGAAGATGGATGCCCATCCTCCTCGCCTCTTTG
CCTGCTCCAACAAGATTGGACGTTTTTGTGATCGAAGAGGTTCTGGTGGAGCTCATGCAGGAAGACCTGGCAACGG
ATGACGTGCTGCTTCTGGACACCTGGGACCAGGTCTTTGTCTGGGTTGGAAAGGATTCTCAAGAAGAAGAAAAGA
CAGAAGCCTTGACTTCTGCTAAGCGGTACATCGAGACGGACCCAGCCAATCGGGATCGGCGGACGCCCATCACCG
TGGTGAAGCAAGGCTTTGAGCCTCCCTCCTTTGTGGGCTGGTTCCTTGGCTGGGATGATGATTACTGGTCTGTGG
ACCCCTTGGACAGGGCCATGGCTGAGCTGGCTGCCTGAGGAGGGGCGAGGGCCCCACCCATGTCACCGGTGAGTGCC
TTTTGGAACTGTCCTTCCCTCAAAGAGGCCTTAGAGCGAGCAGAGCAGCTCTGCTATGAGTGTGTGTGTGTGT
GTGTTGTTTCTTTTTTTTTTTTTTACAGTATCAAAAATAGCCCTGCAAAAATTCAGAGTCCTTGCAAAATTGTC
TAAATGTCAGTGTGTTGGGAAATTAAATCCAATAAAAACATTTTGAAGTGTG

3031/6881
FIGURE 2797

MAPHRPAPALLCALSLALCALSLPVRAATASRGASQAGAPQGRVPEARPNMVEHPEFLKAGKEPGLQIWRVEK
FDLVPVPTNLYGDFFTGDAYVILKTVQLRNGNLQYDLHYWLGNECSQDESGAAAIFTVQLDDYLNGRAVQHREVQ
GFESATFLGYFKSGLKYKKGGVASGFKHVVPNEVVVQRLFQVKGRRVVRATEVPVSWESFNNGDCFIILDLGNNIH
QWCGSNSNRYERLKATQVSKGIRDNERSGRARVHVSEEGTEPEAMLQVLGPKPALPAGTEDTAKEDAANRKLAKL
YKVSNGAGTMSVSLVADENPFAQGALKSEDCFIILDHGKDGKIFVWKGKQANTEERKAALKTASDFITKMDYPKQT
QVSVLPEGGETPLFKQFFKNWRDPDQTDGLGLSYLSSHIANVERVPFDAATLHTSTAMAAQHGMDDDG TGQKQIW
RIEGSNKVPVDPATYGQFYGGDSYIILYNYRHGGRQGQIIYNWQGAQSTQDEVAASAILTAQLDEELGGTPVQSR
VVQGKEPAHLMSLFGGKPMIYKGGTSREGGQTAPASTRLFQVRANSAGATRAVEVLPKAGALNSNDAFVLKTPS
AAXLWVGTGASEAEKTGAQELLRLRAQPVQVAEGSEPDGFWEALGGKAAAYRTSPRLKDKKMDAHPRLFACSNK
IGRFVIEEVPGELMQEDLATDDVMLLD TWDQVFVWVGKDSQEEKTEALTSAKRYIETDPANRDRRTPI TVVKQG
FEPPSFVGWFLGWDDDYWSVDPLDRAMAELAA

3032/6881
FIGURE 2798A

GTTTAGTAGTATTTTGTAGAAACCCAGCCACCTTGCCCATGCTGTACCAAGCCTTTGTGCTGAGTGCAGGGGATAAAAGGAAC
 AAATAAAACCCAGTCCAGGCTTCTGTGTGCCAGCCCTGTGCCGGGTCCAGTGGGTACAGCATGTCCAATCCC
 CTCAGTGTCCCACTAGAGGCTTCCCTTTGGGGCTGCTGGGGACATCTTGTTCCTAGTTGAGAATTACAGATTTATGT
 CCAAAGACAAGAACTCCCTGAGGGGCAGATTACAACATGGACTGGGCCATTACAATCAACAAGGACACAAAGCTA
 ACACAGCCATCGTTATACACCAGACATGTGCTAAGGACTTGATTTCCTCCATTGTTTAAATCATCACCAACTCCATT
 ATCACCCCCATTTCACAGATGTGGAAACTGAGGCTGAGAAGAGTAAGGGACTTGTCCAAGGGCACAGAGCAAGTC
 AGGGCTACGGTGATGTTTTAGGCCCCAGACCTGTTTGCCCTCTGGAGCCCAGGGTTTAAACACACCCAGTGTGCTG
 TGAAAGGGCTCTGGACAGCTCAGGCTGGCCGGCCAAATCGGGGATAACCGAACAGAGGTATGGAACAGAAAGGGG
 CGTTGAGGATGTTGCTGTGTGTGTGCGGTGGGGGGAGTGACAAGGCTTCAGCAATGGTACTCATTCTCTCCAAC
 AGCTCCCAGTGTGCTGTCTCTGATCCACCTCCGCTCTGCCTGCCATGGACTAATTGTTCTGAAATCCCATGG
 ATCAAGTCACTCCTCAGCTGAGGACCTGTCCATGGCTCCCTGGTACCCAGAGGATAGAAACCCAGCATTCAAAC
 CTCTCTAACCAGCTCCCACCTCAACCTCACACTCCTGCTCACTAGCCCCCAGGCGCAGTGGGCTCTTCCAGCG
 GCCAAGCCTGTGCCTACGGTGCCCTTCTTGCTTGGAAATGCCAACTCCCCCTTCTCAGCCTTCTTTGACTCTCAAG
 TAAGGAAAAGCACTTTTGTCTCCCTGAGCCCCCTTGGCACTTATCACAGAGCACTCTGGGCGTTAACTTCCACTG
 TCTCCGTCTTGGAATTAGAGTGGATCTCAGAGGGCCCCGGTGGTGTCTGCTTCACCTCCCTCTCCACTGCAGCAGCT
 TAGCAAGGACTGGCCGGGTAAACTAAAAATGCAAAGAGCTGAGAGAATCCTGGGAAAGTGACATTTCCCAGGA
 CTGCCCAATGACAAGCCCCGTACCAAGGCACAGCATCAGGATACCTGATGTGGAAGAACCAAAAATTGCACCCCT
 CATGGCTTATCAGGATGGTCCCTGTGTCTGTCCCTTTCAAGGGTTCTGATAATGAAATCTGGGCAAGTCACCCCTC
 CTGCTTTAAAACTTCCAATGGTTCCAGAGGTCTAGCATAAAATCCAAACTCAAGGGCCACATAACCTAGGTGC
 TGCTTGCCCCCAGGCCCTCCTCTTGCCACGCCCCCTCCCTGGCCAGCCTCCCTCACTTCTTTAGTTCTCTCAA
 GGACTCCCCCTCACTAAAGCCTTACCCAGGTGCGCTCTCTGCCCTAGGGGGCTCCTCCATTCCCTGCTCACTCAGC
 CACCTCCCTCTCCCTCTTCAGGTCTCACTTTTTAGGGGAGGCTTCCCTGATCTGTCCAGATAAGACCTCACCCT
 CCCACCCAATCCCAAACGCTCCCATAACTGATCGTTTCCCTTCACAGCAAGAATTAATCTTCAGTGTAAATAATG
 ATCTACTGAAGACCTATGAGGAATGGGAAAGTCTTGTTTTTTGTCTGATTCTTCAACACCCAGCTCAGAGCCTAAA
 TATCTCTCAAATGAATGAATATATGAATGAATGAATGAATGAATGAATGAATGAATGAATGAACCTATATACATAAATC
 AAGACAAGAAGGTGGGCAGAATCCTAGGGAACTGAGGCAGGAAAAGCAGGGCCCTGGGCCAGGCGTCATGGCT
 CACACCTGTAATCCCAGCACTTTGGGAGGCCAAGGCAGGCAGATCACTTGAGGTGAGGACTTTGAGACCAGCCTG
 GCCAACATGGTAAAACCTGTCTCTACTAAAAACACAAACATTAGCCGGGTATGGTGGCACATGCCTGTAGTCCC
 AGCTACTCAAGAGGCTGAGGCAGGAGAACTCACTTGATCTGGGAGGAGGAGGTGTCAGTGTGAGTGTGATCGTGCC
 ACTGCACTCCAGCCTGGGCACCCAGCAAGACTCCGTCTAAAAAAGAAAAAAGAAAAAGAAAAAGAAAGAA
 AAAGAAAAACAGGGCCCTAACTAAAAAAGACAGGAGGAAAAACAGGGCCCTAACTAAAAAGAGAGGAGGGGCCCT
 AACTGAAAAAACAGGGCCCTAACTAAAAAAGTCAGGAGGAAAAACAGGGCCCTAACTAAAAAGAGAAGAGGAAA
 TAAACCAGACAGTGCAGCCTCCCGAAGCAAAAGGAGGGAGTTTCTGGAAGTGCAGTGTAGAGTGGCACATGGAG
 TCCTGAGGAAAGAGCACTGGATTGGACATCGAGGAGGTCACTGGGGCCTCCCTGATTGAACCAAGGTTCCGTGGA
 GGTGGGCACAGGGCTGGTACATTGCAGGGGGCAGAGGAGTAAGAGGGATGAATAAGCAAAGCTCTCAGGCGACG
 GTTGTCTAGCTGGGTCTATGCCAGCCTGGCCCTGCAGGGTCTGCGGAAGACAGGGCCCTGTGTATAGTCACCA
 AAAGCATCAACAGAGCATAACATTTCTTTTTGTGACAGATTACATTGAGGCAACTTGGCTTTTGGAGTTATCAGG
 GCTCAGTCTCAAAGGCAGATGCATCAGAGCCAAGACCCGGCCCTCAAGTCTCTCTATTAGGGCAGCACTAGGGCT
 ACCTCTTTGTGTCAGCAGAACCTTTGGATAGCCGCTGATGGGTGAGTCACTTTCTGGGCCCGGCAGACCTTTTGG
 GAATCCCTGGCTTTTGGGGCACAACATCCTGGGGACCACCAAAAGCCCTTTACCTGAGCTTTGGGAAAGAGGA
 ACAGCTCCGGCTGTGGGTGGCTCATGTACCATCTGGAAGCCAGCTGGGCCACAGCAGACGCGTAAGTCTGTAT
 TCATTCAATCCCTTCTCCTTTTGGCAGAAAAGGGATGGCGTGGGTGGAGGGGTGTTTTCTGGGTTCTTGCACA
 ATTGCTCATTAGAAATCACTTCTGTTTGGGTGTGGAAGCTGGGCGATTCCCCCTAGTAGTGATCCTTCCCTGTC
 TCACTGGTCACAAAGCCCTTTGGCATCTACAAGCTCGTTGGGTCCACACAGCAGCTTTGTTAGGTGGGTAGGGGG
 AGACCAAGGCACCCATCCTACAGGTGGAGAAACCGAGGCTGAAGCTGGGAGGTGAGCCAGTCTCCTGGCTTCCAG
 CCCAGGACTCTGCACTCCTCCCCCACCTCCCCACCTACTTCAGCAGGTACCTGTGAATCTGATAGTCAGGTGG
 GCCCCACCTGCCAGCTGGCCCCAGCGGGCATGACTCATCCGCTTCCCCATGACTCACACACCTCAGGTGCTCTCT
 CCTCTGGTCAACAAGTCCAGAGACTTGGCAATGGACCCCCATTTTTCTCACCTCTCCAAAGCCTCTGGGAAAGAA

3033/6881
FIGURE 2798B

TTCTGACCTCCTCTTTATGGGACTCTGCTCTTCTACAGAATAGCAACCAAGGCCTTGAGAGGGAAAGCAACT
CTCCTAAAGTCACATAGCAAGCAACCAGCACAGCCAGGGTGGGAGCCAGGCATCCGGGCACCGAGCCCAGTCCCG
GCCTCCTCCCTACAAGATCACTCTCGCCTGACCTCCCTCTCAAGGACAGGAAAGGAGCAGAGACGCACTCTGAGC
CTTATTAGGAAGACCTCAGGGACTCCCACTGAATCCACTGTGGCTACAGCGGCTGCTTCCACCACTGAAGTCCCC
TCCAGGCTTCCCTGGGCAGCCAGGGCGGGGTTTAAGAGGACGACAGGTGTCTGTATTGCTCTACCTACCTAACAA
GGCTGTGCAGGGTGAAGAGTGCTGCTCCGTGGGAAGGCGCTGGGACCAAGGCCGAAGCACTGGACAAAGAGAGCT
ATGAGCACTACCTGTAAACAAAGGGCÁCAGAATGTCAGCCTCAGGGGGAGTTCAAGGTCATCTGGTCAAATCCCC
ATTTGATGTTTCAACCCCTTTTCTCCCTCCACCAGGGGTCACACAATCAGTACTTGACACATCCAGCAACACC
GCACTCACTACCTGCCAAGGCTGCAAGACCTGCTGCTGGAGGGTTTGGCTGCGTAAAAGAATTGTCCTAAGGATG
CACTAAAATCTCTCTCTTCTTATGCCTTGTACCTGCTGGTATTAGCTCTGCCTCCTTTTGGGTCAGCCAGAACAG
GTCTGTCCCCCTCTTTCCTGATGGCTCTTTGGAGATTGAAGACAGTGATCCTGGGCCCCCTCAAGTCTTCTACAA
ATTGTGCACCCCTTTCTCCAGCTCTTCTGAGACCAGGGTTTCCGGTTCGCTCACCTGTTCCCTGATCTGCT
CCAGATGAAACCTGTCCCTACTGACAGCACAAGACCCAGAATTAGACAATCAGTCAAGCTCTATCCAGGACAGGG
CAAGCAGGACTCTCACCTCCTTCATTAGAGATATCATGCTTCTATTAATTGAGCCTAAAATCCCATTTCATTTA
AGGCAGCCCTATTGCATGGCTGAATTCAGTTTACAGTCAACTTCAGAGCTGTACGTTAGTACTCTGAAGTTATAT
AAACTGGGCCCTCACTTAACCTGTGTAACCTTGAGCAAGC

3034/6881
FIGURE 2799

AGGATGGCAATGCCAGTGGAACCACGCTGCTTGAGGCTCTGGACTGCATCCTACCACCAACTCGCCCCAACTGACA
AGCCCTTGCGCCTGCCTCTCCAGGATGTCTACAAAATTGGTGGTATTGGTACTGTTCTGTTGGCCGAGTGGAGA
CTGGTGTCTCAAACCCGGTATGGTGGTCACCTTTGCTCCAGTCAACGTTACAACGGAAGTAAAAATCTGTCGAAA
TGCACCATGAAGCTTTGAGTGAAGCTCTTCCTGGGGACAATGTGGGCTTCAAGGTCAAGAATGTGTCTGTCAAGG
ATGTTTCGTTCGTGGCAACGTTGCTGGTGACAGCAAAAATGACCCACCAATGGAAGCAGCTGGCTTCACTGCTCAGG
TGATTATCCTGAACCATCCAGGCCAAATAAGCGCCGGCTATGCCCCTGTATTGGATTGCCACATGGCTCACATTG
CATGCAAGTTTGCTGAGCTGAAGGAAAATGGCAAGGTCACCAAGTCTGCCCAGAAAGCTCAGAAGGCTAAATGAA
TATTATCCCTAATACCTGCCACCCCACTCTTAATC

3035/6881
FIGURE 2800

GTTTGCCGCCAGAACACAGGTGTCGTGAAAAC TACCCCTAAAAGCCAAAATGGGAAAGGAAAAGACTCATATCAA
CATTGTCGTCA TTGGACACGTAGATTTCGGGCAAGTCCACCACTACTGGCCATCTGATCTATAAATGCGGTGGCAT
CGACAAAAGACCATCCAGGCCAAATAAGCGCCGGCTATGCCCCGTGATTGGATTGCCACATGGCTCACATTGCAT
GCAAGTTTGCTGAGCTGAAGGAAAAGATTGATCGCCGTTCTGGTAAAAAGCTGGAAGATGGCCCTAAATTCTTGA
AGTCTGGTGATGCTGCCATTGTTGATATGGTTCCTGGCAAGCCCATGTGTGTTGAGAGCTTCTCAGACTATCCAC
CTTTGGGTCGCTTTGCTGTTTCGTGATATGAGACAGACAGTTGCGGTGGGTGTCATCAAAGCAGTGGACAAGAAGG
CTGCTGGAGCTGGCAAGGTCACCAAGTCTGCCAGAAAGCTCAGAAGGCTAAATGA

3036/6881
FIGURE 2801

GCCAAAATGGGAAAGGAAAAGACTCATATCAACATTGTCGTCATTGGACACGTAGATTCTGGGCAAGTCCACCACT
ACTGGCCATCTGATCTATAAATGCGGTGGCATCGACAAAAGAACCATTGAAAAATTTGAGAAGGAGGCTGCTGAG
ATGGGAAAGGGCTCCTTCAAGTATGCCTGGGTCTTGGATAAACTGAAAGCTGAGCGTGAACGTGGTATCACCATT
GATATCTCCTTGTGGAAATTTGAGACCAGCAAGTACTATGTGACTATCATTGATGCCCCAGGACACAGAGACTTC
ATCAAAAACATGATTACAGGGACATCTCAGGCTGACTGTGCTGTCTGATTGTTGCTGCTGGTGTGGTGAATTT
GAAGCTGGTATCTCCAAGAATGGGCAGACCCGAGAGCATGCCCTTCTGGCTTACACACTGGGTGTGAAACAATA
ATTGTCGGTGTTAACAAAATGGATTCCACTGAGCCACCCTACAGCCAGAAGAGATATGAGGAAATTGTTAAGGAA
GTCAGCACTTACATTAAGAAAATTGGCTACAACCCCGACACAGTAGCATTGTGCCAAATTCCTGAAGTCTGGTG
ATGCTGCCATTGTTGATATGGTTCCTGGCAAGCCCATGTGTGTTGAGAGCTTCTCAGACTATCCACCTTTGGGTC
GCTTTGCTGTTCGTGATATGAGACAGACAGTTGCGGTGGGTGTC

3037/6881
FIGURE 2802

AAATTGTTAAGGAAGTCAGCACTTACATTAAGAAAAATTGGCTACAACCCCGACACAGTAGCATTGTTGCCAATTT
CTGGTTGGAATGGTGACAACATGCTGGAGCCAAGTGCTAACATGCCTTGGTTCAAGGGATGGAAAGTCACCCGTA
AGGATGGCAATGCCAGTGGAACACGCTGCTTGAGGCTCTGGACTGCATCCTACCACCAACTCGCCCAACTGACA
AGCCCTTGCGCCTGCCTCTCCAGGATGTCTACAAAATTGGTGGTATTGGTACTGTTCTGTTGGCCGAGTGGAGA
CTGGTGTTCTCAAACCCGGTATGGTGGTCACCTTTGCTCCAGTCAACGTTACAACGGAAGTAAAATCTGTCGAAA
TGCACCATGAAGCTTTGAGTGAAGCTCTTCCTGGGGACAATGTGGGCTTCAAGGTCAAGAATGTGTCTGTCAAGG
ATGTTTCGTCGTGGCAACGTTGCTGGTGACAGCAAAAATGACCCACCAATGGAAGCAGCTGGCTTCACTGCTCAGG
TGATTATCCTGAACCATCCAGGCCAAATAAGCGCCGGCTATGCCCTGTATTGGATTGCCACATGGCTCACATTG
CATGCAAGTTTGCTGAGCTGAAGGAAAAGATTGATCGCCGTTCTGGTAAAAAGCTGGAAGATGGCCCTAACCACC
TTTGGGTCGCTTTGCTGTTTCGTGATATGAGACAGACAGTTGCGGTGGG

3038/6881
FIGURE 2803

CTTTTTCGCAACGGGTTTGCCGCCAGAACACAGGTGTCGTGAAAACCTACCCCTAAAAGCCAAAATGGGAAAGGAA
AAGACTCATATCAACATTGTCGTTCATTGGACACGTAGATTCGGGCAAGTCCACCACTACTGGCCATCTGATCTAT
AAATGCGGTGGCATCGACAAAAGAACCATTGAAAAATTTGAGAAGGAGGCTGCTGAGATGGGAAAGGGCTCCTTC
AAGTATGCCTGGGTCTTGGATAAACTGAAAGCTGAGCGTGAACGTGGTATCACCATTGATATCTCCTTGTGGAAA
TTTGAGACCAGCAAGTACTATGTGACTATCATTGATGCCCCAGGACACAGAGACTTCATCAAAAACATGATTACA
GGGACATCTCAGGCTGACTGTGCTGTCCTGATTGTTGCTGCTGGTGTGGTGAATTTGAAGCTGGTATCTCCAAG
AATGGGCAGACCCGAGAGCATGCCCTTCTGGCTTACACACTGGGTGTGAAACAATAATTGTCGGTGTTAACAAA
ATGGATTCCACTGAGACCATCCAGGCCAAATAAGCGCCGGCTATGCCCTGTATTGGATTGCCACATGGCTCACA
TTGCATGCAAGTTTGCTGAGCTGAAGGAAAAGATTGATC

3039/6881
FIGURE 2804

CTAAAAGCCAAAATGGGGAAAGGAAAAGACTCATATCAACATTGTCGTCATTGGACACGTAGATTTCGGGCAAGTCC
ACCACTACTGGCCATCTGATCTATAAATGCGGTGGCATCGACAAAAGAACCATTGAAAAATTTGAGAAGGAGGCT
GCTGAGATGGGAAAGGGCTCCTTCAAGTATGCCTGGGTCTTGGATAAACTGAAAGCTGAGCGTGAACGTGGTATC
ACCATTGATATCTCCTTGTGGAAATTTGAGACCAGCAAGTACTATGTGACTATCATTGATGCCCCAGGACACAGA
GACTTCATCAAAAACATGATTACAGGGACATCTCAGGCTGACTGTGCTGTCTGCTGATTGTTGCTGCTGGTGTGGT
GAATTTGAAGCTGGTATCTCCAAGAATGGGCAGACCCGAGAGCATGCCCTTCTGGCTTACACACTGGGTGTGAAA
CAACTAATTGTCGGTGTTAACAAAATGGATTCCACTGAGCCACCCTACAGCCAGAAGAGATATGAGGAACTACA
AAATTGGTGGTATTGGTACTGTTCTGTTGGCCGAGTGGAGACTGGTGTCTCAAACCCGGTATGGTGGTCACCT
TTGCTCCAGTCAACGTTACAACGGAAGTAAATCTGTGAAATGCACCATGAAGCTTTGAGTGAAGCTCTTCCTG
GGGACAATGTGG

3040/6881
FIGURE 2805

MGKEKTHINIVVIGHVDSGKSTTTGHLIYKCSSIDKRTIEKFEKETAEMGKGSFKYGWVLDKLKAERERGITIDI
SLWKFETSKYYVTITDAPGHRDFIKNMITGTSQADCAVPIVAAGVGEFEAGISKNGQTREHALLAYTLGVKQLIV
GVNKMDSTEPPYSQKRYEEIVKLVLVVFLLAEWRLVFSNPVWWSPLLQSTLQOK

3041/6881
FIGURE 2806

ATGGCCCAACAAGCAAATGTCGGGGAGCTTCTTGCCATGCTGGACTCCCCCATGCTGGGTGTGCGGGACGACGTG
ACAGCTGTCTTTAAAGAGAACCTCAATTCTGACCGTGGCCCTATGCTTGTAACACCTTGGTGGATTATTACCTG
GAAACCAGCTCTCAGCCGGCATTGCACATCCTGACCACCTTGCAAGAGCCACATGACAAGCACCTCTTGGACAGG
ATTAACGAATATGTGGGCAAAGCCGCCACTCGTTTATCCATCCTCTCGTTACTGGGTCTATGTCATAAGACTGCAG
CCATCTTGGAAGCATAAGCTCTCTCAAGCACCTCTTTTGCCTTCTTTACTAAAATGTCTCAAGATGGACACTGAC
GTCGTTGTCTCACAACAGGCGTCTTGGTGTGATAACCATGCTACCAATGATTCCACAGTCTGGGAAACAGCAT
CTTCTTGATTTCTTTGACATTTTGGCCGTCTGTCTCATGCTGCTGAAGAAACCAGGCCACGTGGCGGAAGTC
TATCTCGTCCATCTCCATGCCAGTGTGTACGCACTCTTTCATCGCCTTTATGGAATGTACCCTTGCAACTTCGTC
TCCTTTTTGCGTTCTCATTACAGTATGAAAGAAAACCTGGAGACTTTTGAAGAAGTGGTCAAGCCAATGATGGAG
CATGTGCGAATTTCATCCGGAATTAGTGACTGGATCCAAGGACCATGAACTGGACCCTCGAAGGTGGAAGAGATTA
GAAACTCATGATGTTGTGATCGAGTGTGCCAAAATCTCTCTGGATCCACAGAAGCCTCATATGAAGATGGCTAT
TCTGTGTCTCACCAAATCTCAGCCCGCTTTCTCATCGTTAGCCGATGTCACCACCAGCCCTTATGCTGACACA
CAGAAATAGCTATGGGTGTGCTACTTCTACCCCTTACTCCACGTCTCGGCTGATGTTGTTAAATATGCCAGGGCAG
CTACCTCAGACTCTGAGTTCCCCATCGACACGGCTGATAACTGAACCACCACAAGCTACTCTTGGAGCCCATCT
ATGGTTTGTGGTATGACCACTCCTCCAACCTTCTCTGGAATGTCCACCTGATCTGTCACACCCTTACAGTAAA
GTCTTTGGTACAACCTGCAGGTGGAAGGAACCTCTCTGGGAACCCAGCAACCTCTCCTCCTCCAGCCCCACTC
TGTCATTGCGATGACTACGTGCACATTTCACTCCCCAGGCCACAGTCACACCCCCCAGGAAGGAAGAGAGAATG
GATTCTGCAAGACCATGTCTACACAGACAACACCATCTTCTGAATGACAGAGGATCAGAAGAGCCACCTGGCAGC
AAAGGTTCTGTCACTCTAAGTGATCTTCCAGGGTTTTTAGGTGATCTGGCCTCTGAAGAAGATAGTATTGAAAAA
GATAAAGAAGAAGCTGCAATATCTAGAGAACTTTCTGAGATCACCACAGCAGAGGCAGAGCCTGTGGTTCTCGA
GGAGGCTTTGACTCTCCCTTTTACCGAGACAGTCTCCAGGTTCTCAGCGGAAGACCCACTCGGCAGCCTCCAGT
TCTCAGGGCGCCAGCGTGAACCCCTGAGCCTTTACACTCCTCCCTGGACAAGCTTGGGCCTGACACACCAAAGCAA
GCCTTTACTCCCATAGACCTGCCCTGCGGAGTGCTGATGAAAGCCCTGCGGGAGACAGGGAATGCCAGACTTCT
TTGGAGACCAGTATCTTCACTCCCAGTCTTGTAAAATTCCACCTCCGACGAGAGTGGGCTTTGGAAGCGGGCAG
CCTCCCCGATGATCATCTTTTTGAGGTGGCATTGCCAAAGACAGCCCATCATTTTGTATCAGGAAGACTGAG
GAGCTGTTAAAGAAAAGCAAAGGAACACAGAGGAAGATGGTGTGCCCTCTACCTCCCCAATGGAAGTGTGGAC
AGACTGATACAGCAGGGAGCAGACGCGCACAGCAAGGAGCTGAACAAGTTGCCTTTACCCAGCAAGTCTGTGAC
TGGACCACTTTGGAGGCTCTCCTCCTTCAGATGAGATCCGCACCCTCCGAGACCAAGTTGCTTTTACTGCACAAC
CAGTTACTCTATGAGCGTTTTAAGAGGCAGCAGCATGCCCTCCGGAACAGGCGGCTCCTCCGCAAGGTGATCAA
GCAGCAGCTCTGGAGGAACATAATGCTGCCATGAAAGATCAGTTGAAGTTACAAGAGAAGGACATCCAGATGTGG
AAGGTTAGTCTGCAGAAAAGAAAGCTAGATACAATCAGCTCCAGGAGCAGCGTGACACTATGGTAACCAAGCTC
CACAGCCAGATCAGACAGCTGCAGCATGACCGAGAGGAATTCTACAACCAGAGCCAGGAATTACAGACGAAGCTG
GAGGACTGCAGGAACATGATTGCGGAGCTGCGGATAGAAGTGAAGAAGGCCAACAACAAGGTGTGTCACTGAG
CTGCTGCTCAGTCAGGTTTCCCAAAAGCTCTCAAACAGTGAAGTCCGTCAGCAGCAGATGGAGTTCTTGAACAGG
CAGCTGTTGGTTCTTGGGGAGGTCAACGAGCTCTATTGGAACAAGTGCAGAAACAAGCACTCAGATACCACAAAG
GAAGTAGAAATGATGAAAGCCGCTATCGGAAAGAGCTAGAAAAAACAGAAGCCATGTTCTCCAGCAGACTCAG
AGGCTTGATACCTCCCAAAACGGATTTTGGAACTGGAATCTCACCTGGCCAAGAAAGACCACCTTCTTTTGGAA
CAGAAGAAATATCTAGAGGATGTCAAACCTCCAGGCAAGAGGACAGCTGCAGGCCGACAGAGCAGGTATGAGGCT
CAGAAAAGGATAACCCAGGTGTTTGAATTGGAGATCTTAGATTTATATGGCAGGTTGGAGAAAAGATGGCCTCCTG
AAAAAAGTTGAAGAAGAAAAAGCAGAAGCAGCTGAAGCAGCAGAAGAAAGGCTTGACTGTTGTAATGACGGGTGC
TCAGATTCCATGGTAGGGCACAATGAAGAGGCATCTGGCCACAACGGTGAGACCAAGACCCCCAGGCCAGCAGC
GCCCCGGGAGTAGTGGAAGCAGAGGTGGTGGAGGCAGCAGCAGCAGCAGCAGCAGCAGCTTTTACCCAGAGAAA
CCCCACACCAGAGGGCAGGCCCATTCAGCAGTCCGTGGGAGACGACTATGGGAGAAGCGTCTGCCAGCATCCCC
ACCACTGTGGGCTCACTTCCAGTTCAAAAAGCTTCTGGGTATGAAGGCTCGAGAGTTATTTTCGTAATAAGAGC
GAGAGCCAGTGTGATGAGGACGGCATGACCAGTAGCCTTTCTGAGAGCCTAAAGACAGAAGTGGGCAAAGACTTG
GGTGTGGAAGCCAAGATTCCCCTGAACCTAGATGGCCCTCACCCGTCTCCCCGACCCCGACAGTGTGGACAG
CTACATATCATGGACTACAATGAGACTCATCATGAACACAGCTAA

3042/6881
FIGURE 2807

MAQQANVGELLAMLDSPMLGVRDDVTAVFKENLNDRGPMPLVNTLVDYYLETSSQPALHILTTLQEPHDKHLLDR
INEYVGKAATRLSILSLLGHVIRLQPSWKHKLSQAPLLPSLLKCLKMDTDVVVLTTGVLVLITMLPMIPQSGKQH
LLDFFDIFGRLSSWCLKKPGHVAEVYLVHLHASVYALFHRLYGMYP CNFVSFLRSHYSMKENLET FEEVVKPMME
HVRIHPELVTGSKDHELDPRRWKRLETHDVVIECAKISLDPT EASYEDGYSVSHQISARFP HRSADVTTSPYADT
QNSYGCATSTPYSTSRLMMLNMPGQLPQTLSSPSTRLITEPPQATLWSPSMVCGMTTPPTSPGNVPPDL SHPYSK
VFGTTAGGKGTPLGTPATSPPPAPLCHSDDYVHISLPQATVTPPRKEERMDSARPC LHRQHLLNDRGSEEPGS
KGSVTLSDLPGFLGDLASEEDSIEKDKEEA AISRELSEITTAEAEPVVPRGGFDS PFYRDSLEPGSQRKTHSAASS
SQGASVNPEPLHSSLDKLGPDTPKQAF TPIDLPCGSADESPAGDRECQTSLETSIFTPSPCKIPPPTRVGFSGSQ
PPPYDHLFEVALPKTAHHFVIRKTEELLKKAKGNT EEDGVPSTSPMEVLDRLIQQGADAHSKELNKLPLPSKSVD
WTHFGGSPPSDEIRTLRDQLLLLHNQLLYERFKRQQHALRNRRLLRKVIKAAALEEHNAAMKDQLK LQEKDIQMW
KVS LQKEQARYNQLQEQRDTMVTKLHSQIRQLQHDREEFYNQSQELQTKLEDCRN MIAELRIELKKANNKVCHTE
LLLSQVSQKLSNSESVQQQMEFLNRQLLV LGEVNELYLEQLQNKHSDTTKEVEMMKAAYRKELEKNRSHVLQQTQ
RLDTSQKRILELESHLAKKDHL LLEQKKYLEDVKLQARGQLQAAESRYEAQKRITQVFELEILDLYGRLEKDGLL
KKLEEEKAEAAEAAEERLDCCNDGCSDSMVGHNEEASGHNGETKTPRPSSARGSSGSRGGGGSSSSSELSTPEK
PPHQ RAGPFSSRWETTMGEASASIPTTVGSLPSSKSFLGMKARELFRNKSESQCDE DGMTSSLSESLKTEL GKDL
GVEAKIPLNLDGPHPSPTPDSVGLHIMDYNETHHEHS

3043/6881
FIGURE 2808

GCTCCGGTTGCCTCCGACCTCGGCGCTGGGCGGGCGCGCCGGGCCTGGGGAAGGGGCGGGCGGGGGACCCGATG
CGCGGGAGCGGAGGCCGAGATGGCTTCGGCGGGAGGCGAAGACTGCGAGAGCCCCGCGCCGAGGCCGACCGTCC
GCACCAGCGGCCCTTCCTGATAGGGGTGAGCGGCGGCACTGCCAGCGGGAAGTCGACCGTGTGTGAGAAGATCAT
GGAGTTGCTGGGACAGAACGAGGTGGAACAGCGGCAGCGGAAGGTGGTCATCCTGAGCCAGGACAGGTTCTACAA
GGTCCTGACGGCAGAGCAGAAGGCCAAGGCCTTGAAAGGACAGTACAATTTTGACCATCCAGATGCCTTTGATAA
TGATTTGATGCACAGGACTCTGAAGAACATCGTGGAGGGCAAACCGGTGGAGGTGCCGACCTATGATTTTGTGAC
ACACTCAAGGTTACCAGAGACCACGGTGGTCTACCCTGCGGACGTGGTTCTGTTTGAGGGCATCTTGGTGTCTA
CAGCCAGGAGATCCGGGACATGTTCCACCTGCGCCTCTTCGTGGACACCGACTCCGACGTCAGGCTGTCTCGAAG
AGTTCTCCGGGACGTGCGCCGAGGGAGGGACCTGGAGCAGATTCTGACGCAGTACACCACCTTCGTGAAGCCGGC
CTTCGAGGAGTTCTGCCTGCCGACAAAGAAGTATGCCGATGTGATCATCCCGCAGGAGTGGAACAATATGGTTGC
CATCAACCTGATCGTGCAGCACATCCAGGACATTCTGAATGGTGACATCTGCAAATGGCACCGAGGAGGGTCCAA
TGGGCGGAGCTACAAGCGGACCTTTTCTGAGCCAGGGGACCACCCTGGGATGCTGACCTCTGGCAAACGGTCACA
TTTGGAGTCCAGCAGCAGACCCCCACTGAGGGGCTGCCGAGCCTCAGGGCAGGTCTCCCCCGCCGCATGTGTGTTT
AGGGACTGAGCCTGGGGACGCCCCACCCACCCACTGCTTCCTCTCGGCGCACCCCCAGGGGAGTGTTAGCAGCGA
GGCCTTCCTCACTCAGGAGTGGAACCTCAGATGTGTCACTCAGACTCAACTTGCTGGGACACTGACAGGCGTTCC
TGAGGTTTTAGCCACTTAGGCTCGTTGCGGTTTTAAAGATCCCTCTAGGTCAGTGAAGATGCCACAGAATGTGC
AGGAAGCCTGGGAGGCTTCTGTGAGGAATGTGAGGCACATTATTGGGGAAATTGAGGAGACAGCCTAGACACTGG
CTGGCCTGATGTTTTGTGACAGTGAACCCACAGTGGGAGAGAGTTTTTTCCAGTCTGATCTGGTTCTTACACAC
TCACACACATAACTCAAAAAGTTTTGTGAACAAGTACTTTCCTTTTTTACATGTTACATGTCCCTCATGTTTTCTGT
TTTCTGTTTCATAACACAAGGCTGGTTGTGGCCTACAAACCTAATTTTCATGACCCAGTGGTTTGCAGTCCAGCGT
GGCCTACACGGATATGGGGAGCCACTGAGGGATGTTTTCCCCCTTGCTTGTGCCTTAAAGGCAGAGAAGCGAGG
CGGATGCCCTGGAAGCACCCAGCATCACACCCAGGCTTGTGCGGGGCCAGGCTGGGAGCCCATGCAGTAGGGCAG
AAGGCAGCGGAGGCCAGGTCTGTCCCGGCTGGAGAACAGCGTCCACGCAGTCCTGCCTGGGGTCAGGCCCTCACT
GACCTCAGGGGAGCCCCCAAGGTGCTGTCTGTCTAGACAGGCTGTCCACCCCAGGGTGGCTAGTGCCCATATG
CAGGGAATGGTGCTTCTGGCTGTGGCACGCACTGGATCACCCAGGTCCAGCAGACATGGCCGCCCAAAGTCAGC
AAGCCTCCTTTGTGCTATGTGGAGCTCACAGCCTCACATGTGAACACCCGTGTCTGGGTGCTTGGGGTGATCCT
CCCTCCTGCGTGGTGGCTGTCTCTGAAAGCATCCCTTGCCGCTGCCATGGGCAGCCCCAGCCCCCGTCCGTCCA
GGCTCACCCACAGTAGTGATGCAGACGTGACGTGGGGGAAGGGGGCTGAGCCCTGTGGCTGGGTCTGACAACCTG
TAACGGTTTTGTGAGCTTAGGCCCTTTGGAGGGAGAATCAATAAATAACAAACACCAACTAC

3044/6881
FIGURE 2809A

TGAACAGGGAGAGGCCATGAAACAGTTTGACCTGAACTATGGAAGTGCCATCATTGAAAAATTGCGGGTCCAGCCC
CGGGGAGGAGAGTGAGGTGGGTTCATATGGTGGGCGAAGGCTTCATCGAAGTCCTGACCAAGAAGCAGCGCCGCCT
GCTGGAGGAAGAGAGAAGAAAGAGGAGCAGGCCGTGCAGGTGCCTGTCAAAGGTGAGGSCCTTCTCCCGTAT
TCCTCCTCGATTTGCAAAAAAGCAGAACAACTTATGTCTGGAGCAAGGTGACGTGACCGTGCCTGGCAGCAGCCT
GGGCACTGAGATCTGGGAGAGCAGCAGCCAGGCTCTCCCTGTGCAGGCCCCAGCCAACGACTCCTGGAGGAAAGC
TGTCACCTGCCTTCAGCAGCACCGAGACTGGCTCTGCGGAGCAGGGTTTTAAGAGCAGCCAGGGAGATAGTGCGCT
TGACTTGAGTGCCGAGTCTCGGGAGTCGTCTGCGACCTCCTCGCAGCGCAGCTCCCCATATGGGACTCTGAAGCC
AGAGGAGATGAGCGGGCCCCGGCCTGGCGGAACCCAAGGCCGACAGCCACAAGGAGCAGGCTCCAAAGCCATCTGA
GCAGAAGGATTGAGAACAAGGCTCTGGACAGAGCAAGGAGCACAGACCAGGACCCATCGGCAACGAGCGTTCTCT
GAAAAACAGAAAGGGCTCGGAGGGGGCCGAGCGGCTGCAAGGGGCTGTCTGCCCGCTGTTAACGGGGTGGAGAT
TCACGTGGACTCCGTGCTGCCTGTGCCACCCATTGAATTTGGAGTCAGTCCAAAAGACTCCGATTTAGCTTGCC
ACCTGGTTCTGCCTCTGGTCTACTGGGAGTCCAGTTGTTAACTTCAGGATGCCTTGCCAGTAATGCAGGGTT
AACACAGAGTATCCCCATCCTGCGGCGGGACCATCACATCCAGAGGGCCATCGGTCTCTCCCCAATGTCTTCCC
CACCGCCGACCTTACTCTGAAGATGGAGTCTGCGCGCAAGGCTTGGGAAAACCTCCCCAGTTTGCCGGAGCAGAG
CTCTCCAGGCGGCGCTGGCTCAGGCATCCAGCCTCCATCCTCTGTGGGTGCCTCCAGCGGGGTCAACTACAGCTC
CTTCGGTGGAGTGTCCATGCCACCCATGCCTGTGGCCTCTGTAGACCTTCTGCTTCTATGCCAGGCAGCCACCT
CCCGCCCCCTGTACCTGGATGGCCATGTGTTTGCAAGTCAGCCCCGGCTGGTTCCTCAAACGATACCTCAGCAGCA
GAGTTACCAACAGGCCGCCGCTGCCAGCAGATCCCGATCTCCCTTCACACATCTCTGCAGGCACAAGCTCAGCT
TGGACTGAGGGGTGGGCTTCTGTGTCCCAGTCCCAGGAGATCTTCAGCTCCTTGACGCCCTTCAGATCTCAGGT
GTACATGCACCCAGCCTGTACCCGCCAGCACCATGATCCTCTCTGGGGGCACAGCCTTGAAGCCTCCATACTC
GGCGTCCCAGGCATGCAGCCCTTGAGATGGTGAAGCCGCAGTCTGGCTCACCTACCAGCCCATGAGCGGGAA
CCAAGCCCTGGTCTACGAGGGCCAGCTCAGCCAGGCTGCTGGCCTGGGTGCCTCCCAGATGTTGGACTCCCAGCT
CCCACAGCTGACCATGCCACTGCCTCGGTACGGCTCCGGGCAGCAGCCACTGATCCTGCCCCAGTCTATTACAGCT
GCCACCTGGGCAGAGCCTCTCCGTGGGGCCCCCGAAGGATTCCTCCGCCGGGTCCCAGCCGCCAGTCTCTGAA
CACCAGCAGAGAGCCCTCTCAGATGGAGATGAAAGGCTTCCACTTTGCCGACAGTAAACAGAATGTCCCTTCAGG
AGGCCCCGTGCCATCGCCACAGACCTACAGGCCTAGCTCTGCTAGCCAGTGGGAAGCCCTCTGGATCAGCAGT
TAACATGGGCTCTGTGCAGGGACACTACGTGCAACAGGCAAAACAACGAGTGGATGAGAAACCCAGCCTGGGAGC
CGTGAAGCTGCAGGAGGCCCTCGGCTGCCTCCAGATGAAGCGAACCGGAGCGATCAAGCCTCGGGCTGTCAA
AGTGAGGAGAGTAAGGCCTGACAGTGCCTGGCTGCCACCTCGCCTCTCCCTACTGAGGACGGTGCCGCCATGCG
GCCTCGACACAGCCGACACTCGGGAGCCTCACCAGATCCACCGTCCAAATGCGTGGCCCAGACTGAGAGACCTCC
CTCCTCTCCACTCCCGAAAGCTCCGTTGTCAACCAGCTTGACCCGTGGATATATGGCATTGACCCGCTTGCTTT
GATACGAAACAAAAAGCAGACGACTCCTTCATCCCATCTGCTCCTACCGTGAAGTGAGTGACGCTCCTGTG
CAGTGCAGATTTGCCCTCCCTGCCTCCTTCTGCTGCGCGCAGCCAGGGCGCCTTCTCAGCAGTGCTTCCGG
CCCAGCCGCCCATCCCTAGGCACAGTGATTTGGCAGCAGGGTCATTTTACTTTGAGGCTTTTGTTTTAAATGT
AGCCAAGGTTTTTACAAAGGGGAAAGGAAAAGAAAACAAAACGCAAGCTCCATGTGTATAGCTGAACTTTTATA
TGTTTCTTGCCAGCCCCCTCCGCTCCCTTCCATCTCTAGCCTCTGTCTGTTAGTTTGATACGTCACTGCAGTAC
CTTAAGAGGTGACTCTTAAGAATGCATCCCTCCTGATTCTCAGCTGGTTACCCCTTGAGGTTATTTGCAAAAA
GAAAAGGAGGTTCTTGAGGGCACCGATTGCGAGCATTCTGGTGCCTGGCTCCCCGCTGGGAAGCGATGGGGTGC
TCAGAGCAGCAGGCAGGTTGGGGGAGGGGGGGGTCATAGTTGGGTTCCAGCTCCTGGCTTGATGAGCCCAGGGC
GCTTACAGGCAGCCCATGAAGTTGATGACAGTTTTAGCATGAGAATCACACAGGGTCCCTGTCTGGGCTCCTCT
AAAGCCAGTGAGTGTGCTGGGCACCAGAGACAAATCATGGAGATGGCTGCTGGTGGCTCCCAGGTTGGCCAGAT
GGGGTGAGCTGACATACCACAGGCCCATCCAGGCCCGTGGGCTCTGCTTCTGGGGCTCCATACCCTGCCCTGC
AGGGGTGCTGTGTTTTTACACATTTCTTTCCCTGAAGCCTTCTGTAACTGTCAATTTCTCTCTCTCTCTCC
GGAGCCTGCTGCTTTCTCTGGACCTGTCTCCACCTCCACACAGCTCATCGTGAACACCACTTGGTGATGGAGGG
AGTGAGCCCGTGTGTGGTCCCCAAGTGAGGCCACTGGGAGTTTGTCTTTTCTCTCTTTGCTTCACTCCCAGCAG
CAGACCCAGGTTGTGAGGACAGGAGGGCCTGAGCTAAGCAGTAGGCATCAGTCTCGTTTGTCTTCAGACGGCGGG
GGCAGGTCCAGGGTGAGGCTGGGTGGAGGGCTGACCAAGGTCCAAAGGGCCTGCGCAGCCTCCGGGAGGGCAGCT
TCTCCAGCCAGAGGCTTGTGTGAGCCATCGTGTGCTGGGCTTGTTTTTAAGTAAGAAACAAGGAAATCACTCCAG

3045/6881
FIGURE 2809B

ATTCTGTCATTCCAAGGAAAGGGAAGGGGACAGTTTCAGGTTTCTCAGCTGTTCTTAGGGGTCAGTGAAGCGTCTAC
CTCCTCCTCCAGAGGAGGCTGGCTCAGAACACCTAGAGGAGGGGGCCGGGGATGCACCCCCACCAGAGGCTGCC
TTCAGCGTCTCACGGGTGCAGGACAGCGCTCAGGCTTGGGCTCTAAGCTCTGTGTCTAGTGTAGAATATGGGGAA
GGAGCATCTTAGGAACTGTGAAGTAACTTCTTACTGCTCTCACAATTCTAAGGAAGCGGGAGAACGGCCTCCTA
CCAACAGCGCCACCCAGAGCTGCCTGGGAAAGGGCAGTTTTACTGAAAGGTGCTTTACTGTTACCTGCATCT
TTCAGCAGCTCCCCTCCTGCCCTCACCTGGTCTTTTCCCTCTTTATCCCAAGCCTTTATGCTTGAGTCCCTTCCC
CAGGGGCTGCCCACCCGACAGTTCCAGGCATTCCCTACCTGAGCTTCTTGTCTGCTTTTCTTCTCCCACTGCAA
GCGGCTGCTTGTGGGGCCTGGGATGAGCCCTCTCTGTCCCCACCGGCCCTCCTTGCCAAGCCATTCTGGGTGAG
TTCAGGCCTGCGGGAGCCACACATTTCATCTCCACCTGGACACTTGAGCCGCATGGCCAGACCCCTCCACCTGAT
GCGGTGGTGCGTGTGATTTGTCAAAAAGAAAGCCTTCTGGATGCTGTTAAGATGTACCCTTCAGGTGAACCTGGTA
TCAGACCCACAGTACTTGTCTGTTTGTAGAAAAAATAAAAAACAAAAGGTACCTGTTCTCCAGCCCTTTTCTCTTA
CCTGGTATTTTCTTCTTCTTCTCCTCCCCACCCCAAATAAAAAAACAAAAACACTAGAATTTATTTATATGTAT
TGATGTTGTAGGTCTAGGTGAAAAAAGAAAGTAAATGTTTCACTGCTCTATTTATATATAATGTCTGAATTAA
TTCTGTGCAGGAAAGGCCAGGAAATTGCATGTGAAGTTCGGTGCAGTCACCACCTGTGTGTGACCTGAGCTGCAG
TCTCTTCGCTGAGATGCAGGTTTTAAATGAGACTTGGGGGGCTGAGGGCAGGCCTCAGGCCTCCAGCGCCCCAA
CCCCTCCTTGGTCTAATGAAATGCAGTTCTTAGTGCAGAGATGTTTTAAGGTGCAATATATCTCTTCTTCCCCG
TGGTTTTAGAGCCAAGCTCAAGGTAGTAGGACGTAGGGTCTTATTTTGTCTTCAAACCCCCATCCTCAGAGCGCA
GATACATGCAGAGGCTTCTGCCAGGATACACGGGGCCTTAGTGGGAACAGGTGGAGACCAGCACTTCCCTTTCC
TGCTGCTGAGGTAGGGATTGGGGGTCAGAACCCACTCACTTTTGCTGTTAAAGTTGCCCTCCTGACGCTGGCA
GCTCTGCCTTGGTCACTGGGGATGCGGCTCGTTGCTCAGCCACCAGTGGCCTTGCGGTATTGTCCACCATCCACT
AGAGTGGGATGAAGTCCAGAGTGTGGGTATAATCTCAGATGCCCATCTACCCACTGGGGACTTCAATGCCAGCT
GCATTTGGTTTGGTTTTCTTAACTGTTGGCTTCTCCCCACAGCGTTTTTTTGTCTTTTAAACATTCATATTGT
TTTCAAACCTTGAATTATAGACACTCTGGCTCTAGGTTCCCTTAAGGGGGAAAACAAAAGATGACTTTATTTTAC
ATTCAGAAAATCAGTTCAGTTCCAAAGCTGTGGTCTTCCAGCCACTTCTAGGGACACTGGGGAACCTTGTTAA
ACGTTGACATCAGTGTCTCTCAGCCGTGCTGTACCCCTCCTATCTTCTGGATCTGCCTTCGCGATGGTCAGTGAC
AGCTTCTGGAAGCTGAGCACACACAGGTGCACAGCCATGCTGTGGTCTGGCCTGCTACGGCAGCATGGCAGCTCT
GGTGGAGCCTTCTCCCTTGCCATTTGGTTCCTTGTGCCAAGTAGCTGCAGGCTGCCCTCAAATCTTCATTTGT
CCCTTTTCACTTCTGTCAGAACAAAGCCTGGGTAGAGGGTCTGCTGGAATGGCCTTTGAAGACCAAGGATACCA
GGATGTGTCACTCTGTCTGTCTGTGATGAATGGGAAACGTAGGCTTCCAGAAAGCCAGCTCTCTTCTGAAAT
GTGACGGACCTAAGCAGGAAGTCATCCAGGACAGGAGTGGCTCAGTGTGGGGATGGACGCTGTGCGCCAGCCAT
GCTCCACCAGGGCCACCAATGTGTAGTTGGCTGGTGGTCTTTCGGGCATGTGAGACCTGCTCTTCACTGTTTCCAC
CCCCTTGGTGGCTCCAGGATGGTAGTGGCACCCCTCAGAGCCCCATCTTACAGATGTTCTGAAGCCTCAGAGTG
GAAATTCCTGCTAAGGCTCTGTGTGGACGCCTTTCTCCCGTGATCTAAAGGGGACACTGTACTCAAGCTTTTGAC
CTCATGCCTTGTGTAGTAAAAAAGGATTTGGGGGTTTTGTTTGGTTCTTGAGAGGGTTGTGTTTTGTTTTGTTT
CCTTTTGTATGTTTTGGCCTTTCTCTTTGTCTTTCCATGTAGACCAGATATTTGAAAGGGCAGACGATGGCT
AGAGGTGTAATGTGCAGCTTGTATATACGGTATTTTGGGAACTTACCTTGATGGGAAATCGAATCGTGGATT
ACCAGGCCGGTGTGGCACACTCACCTCGCCCTTTCCCTCCGGTTACGTACCTATTGTTTCTCCTTTCAAATAT
GTGATTGTACTAGCTCTTTCCATATGAAAGAATTCTCCTTATTTAAATAAAAAAGTTTTAAAGAT

3046/6881
FIGURE 2810

MKQFDLNYGSAIIENCGSSPGEESEVGSMVGE GFIEVLTKKQRRLL EEERRKKEQAVQVPVKGRGLSSRIPPRFA
KKQNNLCLEQGDVTVPGSSLGTEIWESSSQALPVQAPANDSWRKAVTAFSSTETGSAEQGFKSSQGD SGVDLSAE
SRESSATSSQRSSPYGTLKPEEMSGPGLAEPKADSHKEQAPKPSEQKDSEQSGSQSKEHRPGPIGNERSLKNRKG
SEGAERLQGAVVPPVNGVEIHVDSVLPVPPIEFGVSPKDSDFSLPPGSASGPTGSPVVKLQDALASNAGLTQSIP
ILRRDHHIQRAIGLSPMSFPTADLTLKMESARKAWENSPSLPEQSSPGGAGSGIQPPSSVGASSGVNYSSFGGVS
MPPMPVASVAPSASMPGSHLPPLYLDGHVFASQPRLPQTIPQQQSYQQAAAAQQIPISLHTSLQAQQLGLRGG
LPVSQSQEIFSSLPFRSQVYMHPSLSPSTMILSGGTALKPPYSAFPGMQPLEMVKPPQSGSPYQPM SGNQALVY
EGQLSQAAGLGASQMLDSQLPQLTmplPRYGSGQQPLILPQSIQLPPGQSLSVGAPRRIPPPGSQPPVLNTSREP
SQMEMKGFHFADSKQNVPSGGPVPSPQTYRPSSASPSGKPSGSAVNMGSVQGHYVQQAKQRVDEKPSLGAVKLQE
APSAASQMKRTGAIKPRAVKVEESKA

3047/6881
FIGURE 2811

CTCACCTCCCGGAGGCTCTGCTGGTGCAGGCCCCGCATTGGAGGGCTCGATTGGCTGCCCGGCTGGCACTGACGT
CCCCTTGGAGCTGGGTGGCAGAGGAGATAAACAGCCATGTGCAACTCTCCACACTATATTTAACAGCTGCGGCGG
AGAAGGCAGGGAGGCAGCCACGGTGGCGGCTCTGGGGGCAGCTCTTGCTCTCGGGGAGAAGGCCCTTGGAGCCGG
GCTGGCATCGGCCTTCTCGGGGTGAGCGAGGTACCATGCCAGCTTCCCAGAGCCGGGGCCCGTGCCCGGGACCGC
AACACGTCTCTCAACCGGGCTGAGTTCTGTCCCTGAACCAGCCCCCAAGGGGGGCCCGGAGCCCCGCAGCTCG
GGCAGAAAGGCCTCGGGCCCATCAGCACAGCCCCACCTGCTGGTGACGGGGCCAGAGAGCGACGCCAGTCACAG
CAGCTGCCAGAGGAGGACTGCATGCAGCTGAACCCCTCCTTCAAGGGCATCGCCTTCAACTCCCTGCTGGCCATC
GATATCTGTATGTCCAAGCGGCTGGGGGTGTGCGCTGGCCGGGCGGCGTCTGGGCCAGTGCCCGCTCCATGGTC
AAGCTCATCGGCATCACGGGCCACGGCATCCCCTGGATCGGAGGCACCATCCTCTGCCTGGTGAAGAGCAGCACA
CTGGCCGGCCAGGAGGTGCTCATGAATCTGCTCCTGGCCCTGCTCCTGGACATCATGACGGTGGCCGGCGTGACG
AAGCTCATCAAGCGGCGCGGCCGTACGAGACGAGCCCCAGCCTCCTGGACTACCTCACCATGGACATCTACGCC
TTCCCGGCCGGGCACGCCAGCCGCGCCGCGCATGGTGTCCAAGTTCTTCTCAGCCACCTGGTGTGGCGGTGCC
CTGCGTGTGCTGCTGGTGTCTGGGCCCTCTGCGTGGGCCTGTCCGCGTGATGATCGGCCGCCACCACGTCACG
GACGTCTCTCCGGCTTTGTCTATCGGCTACCTCCAGTTCCGTCTGGTGGAGCTGGTCTGGATGCCCTCCAGCACC
TGCCAGATGCTCATCTCTGCCTGGTGAAGCGCCCCGCGGCCACACAAGCCTCTGGGGGCAGGGCTGGCCCTAGA
GAAGGGGCAGGGGGTGGCGAGGTGGCGGGCGTGGGTGGAACAGAGCGGCCAGGAGTCAGAGCGGCCACCCCCACC
TCATCTTCCCTCCTGGCTGGAGGCTGGCGAACCAGGCCACCCCTCCCGGAGACAAGCGTGTTTGGCAGTGCCA
GGCCTCTTGCCCTTTGCTTGGACTCCAAGTCTCCTCTCTAGGCAGCCAGGACCCACCCATGGGGACAGCCCTAT
TTAGCTTCTGCTCTGGGAACAGCAAAAATCAGGATGGTGGGAGGGGCCGAGTCTTGCTTGTCTTTCATCATCA
TGACTGTTGAGTTCTTGGCTGTGCCCATCACGCCACAGCACGACGCTGCCAAAATGCCCCAACCTACTGCCTG
ATGCAGGTGCCATTGCCATTAGCGGTCATCGACAGCTTAGGGCAGCACTTTCCAACGGGTGCCCATGGGACACCA
GCCTGCGAGATGCTTTTGGGGGAAAAGGGTTTTGTGGTTCAATAACTTTGGAAGTGCTGCACACTCTGTCCCCA
AGTTGGACATTACAAAGGCCGTTATTGCCGTAAAGGCTCTGACAAGCCCTATAGAAAAGCTTCTTGCTAAACCT
TCTTTAACCCATGTTTTCTAAACTTATTTGACCACAGAACCCTTTTCTTGGGGAACAGCTATTAACCCCCAAGGA
ATTATTGGTTTCTCAAGTGCGTTTTGGGAGCTGCTGCCAGAGAGCTAAAGGGCCTGGGGTGTGAGCTGACTCTCC
TCTGGGGAGGCCGGGTGCACACGCCACAGCCCAGGAAAGTGCTGGCCACCGCCCGTGGGCATCGATGAGGCTTT
GGCCCCCAGGGGCCGGACTCCGTGTGACCTAATAGGTCGTTTCCAAGTCACCCGTTTTGGATGTGCATTTTCATGT
GACAATACAGATGACATGCAAATGG

3048/6881
FIGURE 2812

MQLNPSFKGIAFNSSLAIDICMSKRLGVCAGRAASWASARSMVKLIGITGHGIPWIGGTILCLVKSSTLAGQEV
MNLALLLLDIMTVAGVQKLIKRRGPYETSPSLDYLTMDIYAFPAGHASRAAMVSKFFLSHLVLAVPLRVLLVL
WALCVGLSRVMIGRHHVTDVLSGFVIGYLQFRLVELVWMPSSCQMLISAW

3049/6881
FIGURE 2813

GGCCAAGGGATTGCTGCAGCCCTCATCCACCTTCCAAGCACTGGAAACAAACATTGGAGACCAAGGTCTCCAGAA
GCTTCCACTGACTGCTGTTGGCTGCACCAGGCAACAGGGTCTGGCTCTGTCACCCAGGCTGGAGTGCAATGGTAT
GATCTCGGCTCACTGCAACCTCTGCCTCCCAGGTTCAAGCGATTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGAT
TACAGGTCCAGCTGGGAGCTCCCCGACCTCCAGGAGGGCAAGATCCAAGCCATCAGCGACTCGGATGGGGTGAAC
TACCCCTGGTACGGCAACACCACAGAGACCTGCACCATCGTGGGCCCCACCAAGAGGGACTCCAAGTTTCATCATC
AGCATGAATGACAACCTTTTACCCAGCGTCACATGGGCCGTGCCCGTCAGCGAGAGCAACGTGGCCAAGCTCACC
AATATCTACCGGGACCAGAGCTTCACCACCTGGCTGGTGGCCACCAACACCTCCACCAACGACATGATCATCCTG
CAGACGCTGCACTGGCGCATGCAGCTCAGCATCGAGGTGAACCCCAACCGGCCCTGGGCCAGCGCGCCCGGCTG
CGGGAGCCCATCGCCAGGACCAGCCAAAATCCTGAGCAAGAATGAGCCCATCCCGCCAGCGCCCTGGTCAAG
CCCAATGCCAACGATGCCCAGGTCCTCATGTGGCGGCCCAAGTACGGGCAGCCGCTGGTGGTGATCCCGCCCAAG
CACCGGTGACAGCCAGGACCACCCGCTAGGTTAGACTCACAATAATA

3050/6881
FIGURE 2814

MNDNFYPSVTWAVPVSESNVAKLTNIYRDQSFTTWLVATNTSTNDMIILQTLHWRMQLSIEVNPNRPLGQRARLR
EPIAQDQPKILSKNEPIPPSALVKPNANDAQVLMWRPKYGQPLVVIPPKHR

3051/6881
FIGURE 2815A

GCTTCAGGTCAAATTAGGGCTTTGGGTCAAATCAGGGCTACCTGGTCTGGGAGAGGCACACTTCTAACTGCTGAT
GCCACCTCAAAGGGTCTCCAGAAGCTTCCACTGACTGCTGTTGGCTGCACCAGGCAGTGAGTATCAGTACATTT
AATCATCACAAAAACCGGGCAGGCAGATGTTGGCGGATTGTCTGTGGGCTGCTGAAGAGCTGGTAGAGCTCAGCG
CGTCTGTGACTGGACCACAGTGCAGTAGCTGGGGCTGACAGTGGACCCTGGGCTGCTGCACCCGCTGCAACCCC
CAGGTGGAGGGATCCACGCAGCCTGGTGACGATTTGGCCCTGGCCCTGAGCCATGCCCCGCTGACGCAGTGCTG
TCTGCCAGCCTGGGAGGCTCCTCACCTGTCTTTGCCTGAGCCAGGGCCTGGGAGTTTCAGGACTGGGAAAGGAAA
GAAAACCCCAAGGCTGGGGTCAGGAAGAGGAGGGCTATTTTGCTGCTCAGTCCTGCTCCCCCAAACAGACCTTC
AGCTCTTTGCAAACGAAAGAGGGGGCAAGGCCAAAGCGGGTTTCCTTATGCAAGTTTGCTTCCTGCCCTGAAAA
CCAAAAAACCGGAAACCTTTTCCAAGCAAGTGTAAGCACTGTGTGAGGACAGAGTGGGCGTTTCCTTCTGAAATA
GGAGACTAGGCCCCCAGTGGGCAAAGAGACCCTGACCCGCTTCTCCATCTGTGCGGGGAATGAATGAGCAGGCT
CACCTGTGTGTCATCCTGCCTGCTGCTGTGGGGCCCCCTAGATCTTAGGAATTGCTGGGTACTTCCGGACAGTG
AGGTTGTCTGAGCTGCCTGCAGGTTCCCTGAGTCTGGGTACTCAGGGGCTGGGCAGGAGATGCCATTAAGCAGG
TGTTACTCTAATGAGTGAGCTTTTCAATGAGATGAACAGGAAAATTAGCAAAATCATGTTCTTAATCATTCTCTC
TGCGGCGGCCCCAATTTTGCTAACTGTAAACATTATATGATGCATAAGTAGGGGAATGCATTTTTTAAATTATGG
TAAAGCCTATGTAACATTTTATAAAATTGACCATTTTATTTTATTATTAATTTTTTTTTTTTTTAAACAGGGTCT
GGCTCTGTACCCAGGCTGGAGTGCAATGGTATGATCTCGGCTCACTGCAACCTCTGCCTCCCAGGTTCAAGCGA
TTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGATTACAGCCTGTGTTGGAACATCCTTCCTTCTTAAGGCTGAAGA
ACATTCCATTGTCCAGCTGGGAGCTCCCCGACCTCCAGGAGGGCAAGATCCAAGCCATCAGCGACTCGGATGGGG
TGAATAACCCCTGGTACGGCAACACCACAGAGACCTGCACCATCGTGGGCCCCACCAAGAGGGACTCCAAGTTCA
TCATCAGCATGAATGACAACCTTTTACCCAGCGTCACATGGGCGGTGCGCGTCAGCGAGAGCAACGTGGCCAAGC
TCACCAATATCTACCGGGACCAGAGCTTCACCACCTGGCTGGTGGCCACCAACACCTCCACCAACGACATGATCA
TCCTGCAGACGCTGCACTGGCGCATGCAGCTCAGCATCGAGGTGAACCCCAACCGGCCCTGGGCCAGCGCGCCC
GGCTGCGGGAGCCCATCGCCAGGACCAGCCCAAAATCCTGAGCAAGAATGAGCCCATCCCGCCAGCGCCCTGG
TCAAGCCCAATGCCAACGATGCCAGGTCTCATGTGGCGGCCCAAGTACGGGCAGCCGCTGGTGGTGATCCCGC
CCAAGCACCGGTTGACAGCCAGGACCACCCGCTAGGTTAGACTCACAAATAATAATACCGCTGAAAACAAACTCA
GACTCACTCTTCAGTCATTACAGCAAGATACAACCACTTCTACCCTCTCCAGCGGGCGGATCTCACTGTGCTGATGC
CCCCGGGAAGGCCTCCCCGGCTCTCGGCACCTGCTTCCTTTTCAAGGAGAGGGGAGATCTAAGCAGGACAGACAGA
CCCCACGTGCGCCCTCAGGGTGACCTCTGGTCTCCTTGCTCTCCTTTTTCTCAGTTTCAGTCGCTCACTTGTA
CAGATTCCCTGAAACACTGCTTTTTCCGTTTTTTAAAAAACTCCTCTTTTGGGGGCTCAGGGGCAGGAGGAGG
GGAGCTGATTAGGAGGGAAGCTCCAGCCCCGATCAAAGAGACAGATCCACACTGCTGCCGATTGTGGCGCTGG
CCGGCCTTCCCCCAGGTCCCTCCGCCCTCTGTATGCGGCCCTTATGTAGACTTGCTTTGCCAACTTTTGCCCTT
AAGCTGAATTGAAAGGAAGAAAACCAATCGGAGAAAGAAAGCAGGATCTCTTTTCTACCGGACTTTTCTCTTCT
GCCAGAGGTGGAGGGAGGGTTGGGGTCGCGCGAGAGTCTCTTGAGCCCTTCTTCCCGGTTGTCTGGGAGAAG
GGTGAGGATGGGCATTTAGACCCGAAACCAGCTGCTCACTCTTTCTTTTGGCAGAAATAAAACCAAGGTAGAT
TCTGCCTGAACAGCCCCCTCTCTCCCTCCACCCCAAGGTGCTATCCCTGCACCTGCGGAGAGGGGCTGTGAGCTC
TGGCGGGGGGTGGCTCCACCAAGTCGCTGCGCTCTTCTCCCTCTCTTCCAGCAGCCTTAACCTCCCTTGGGCG
GCTCTAGGAGGAGAGAGGACAGGCTCCTGTGAGCCAGGGAATTTTACCCTCTCAGTCCTCAGGACCCACCCCA
GTTGAGTCCCTGGCCCTTCTCCAGGTGTGTGGCTTTTTCTTCTCCATCCACACTGGTCCCAATGCCTGGGGG
CCGGCCACCTGGACCGCCGACACACAGCCTCAATGTTAGTCTCAAAGGTAAGGAAGGCATTACGTCCTTCTTG
CAGGGCATTTTAAAGACTTGAATCGGGTGGGCCCCGGCCCCCTGTGGCTGGCTGGCCCCCTGGTGTACTGTAAAGGG
CCAAGACAGGGCTCGTTCTCAGGGGCGCCCCCTCCAGGCCCTCAGGGCAGCGGGACGGTGCACTCAGGCTCTGGG
TGCCACAGTGATGGAGGTGGAAGGCACCAAGCTCTAGGGAAGTCTTGGGAGGCAGTCGGCCGAGCCCCCTGCTTC
CTGTCTCAAATAAGTGAATCCAGGCCAAGGGCTGGGAGGGCTGGGTGGGCTTATCGTTCGAGAGGGTTCAGAGCC
ACTCTGGAGGCTGGGCTGGCACAGTGGAGAGCAACAGGTGAGGACAGACGCTCTGGAAGCCCATCCCTGGGACCTG
CCCTCCCTCGGTCCCAGGTCACTGGAGCTCCAGGGCTTACTTAGTCTGACCCATTGTGCCAGGGTTCTGAGCAG
TGTCGGCCTTGTGGCCACTTGCAAGGGGCTATTAGGGGACATCCCGCTGAAGCCACGCTCCTTCCAGCTTGCCAA
CCCACAGCTACCCGCCCCGGGACCCACACTCAGCCTAATAATTATCAAGCACAGAAAACCGTCCATTTAGAAAAAT
AATCCATTTCTGCTGCAGATGAGCCACTTGTAAGAGTCTCCGTGACAGCGTGGGACGGTGTGGGAACCAAGTCC

3052/6881
FIGURE 2815B

CTGCCCTGCTCCTTTGTCCACGGGCTATTGCGTTTATTCAAGGGGTGCTTAATGACCGTTTAGCCACTGCCGTGCG
GTCTCCGGGCCCAGCTCGTGCCAGGAGGCTGTCCTGGGACACACTGGGCTGGAGCTGCCGGCTGGCACGGTGCTC
AGGGGGCCCCCTGATGGGGGCCAGGACCTCCCCGCAGAACTGCAGGTTCTCTTGTGAGGATGGAGGCCGTGCCAC
CCCGAAAGGCAGTAGCCTTAGGGGAACAGTGGGTCCAGCTGCATGTCTGAGGATGGGTGGGGACAGGGCTGGGA
CTCAGCTTTCATTCACTGGAGACTTCTCCACTCAGGTCTTTGTTGCACTAAAGCAGGGACAGGACCCTGGGGGTT
CAGGAAGCGGGTCTCAGGCCGCTGGTTTATTCTGAGGTGGGGCTGGAGACCAGAATGGAAAGGGGCTTCCTGA
GCTGCTAGGGGGTGAAGGACCCCGAACCCGCATTTCTTGAGTGAGAGCAAACACTCGAGGCAGGAGCCAGCACC
CCTCCCCTGTCATGCCCCGGCCCCCAGCCACCTTGCCCCCTGACCCACCTTCACCCGTGCCCTTCTTTCTGCCC
TTCCTCACCGAAGAAGGGCTAGGAACACCCTGGAGAGGCTGCAGGTCCGGCCACGGACGCTCAGCTGAGCCCCGG
TCTGCTCCTTCAGCCTCCTTGCTCATGTTGGAGCACAGGCCCCAGGCTTCCTGCCAGGGCCCCGATTCTTCTTAT
GTCCTCCAGCCCCGCCCCGGCGTGGACATCCACTCACTCCTTCCAGCAATAAGAACCGTCCTTGGTCGTGGAGAG
TACTGTGAAACAAACCAATGCACCTTACCAGGAGGCACAAGACTCTTGAAGAAGATGTACAATGAACCTTTTTTTT
TTTACAAAAACAAAAAGCAAATATTCATAAAGAGAAATAAAATGTAATTTTAAAGT

3053/6881
FIGURE 2816

MNDNFYPSVTWAVPVSESNVAKLTNIYRDQSFTTWLVATNTSTNDMIILQTLHWRMQLSIEVNPNRPLGQRARLR
EPIAQDQPKILSKNEPIPPSALVKPNANDAQVLMWRPKYGQPLVVIPPKHR

3054/6881
FIGURE 2817A

AGGGGAGGAAGTTTGCTGTGCGAGCGGCCTGGGTTCCGTGGGCAAGGCCGTGGGAGGCAGCGTTGGCTGCTTCGAC
ACACTGAGGGCGGCGCGATGGGAGACGAGATGGATGCCATGATTCCCGAGCGGGAGATGAAGGATTTTCAGTTTA
GAGCGCTAAAGAAGGTGAGAATCTTTGACTCCCTGAGGAATTGCCCAAGGAACGCTCGAGTCTGCTGTGT
CCAACAAATATGGTCTGGTCTTCGCTGGTGGAGCCAGTGGCTTGAGATTTTTCCTACTAAAAATCTTCTTATTC
AAAATAAACCCGGAGATGATCCCAACAAAATAGTTGATAAAGTCCAAGGCTTGCTAGTTCCCTATGAAATTCCCAA
TCCATCACCTGGCCTTGAGCTGTGATAACCTCACACTCTCTGCGTGCATGATGTCCAGTGAATATGGTTCCATTA
TTGCTTTTTTTTGATGTTTCGCACATTCTCAAATGAGGCTAAACAGCAAAAACGCCCATTTGCCTATCATAAGCTTT
TGAAAGATGCAGGAGGCATGGTGATTGATATGAAGTGAACCCCACTGTCCCCTCCATGGTGGCAGTTTGTCTGG
CTGATGGTAGTATTGCTGTCTGCAAGTCACGGAAACAGTGAAAGTATGTGCAACTCTTCCTTCCACGGTAGCAG
TAACCTCTGTGTGCTGGAGCCCCAAAGGAAAGCAGCTGGCAGTGGGAAAACAGAATGGAACGTGTTCCAGTATC
TTCCTACTTTTGAGGAAAAAAAGTCATTCTTGTCTCCGTTTTATGAGTCAGATCATCTGTGAGAGTTCTGG
ATGTGCTGTGGATTGGTACCTACGTCTTCGCCATAGTGTATGCTGCTGCAGATGGGACCTGGAAACGTCTCCAG
ATGTGGTGTATGGCTCTACTACCGAAAAAAGAAGAAAAGCACCCAGAGATATTTGTGAACTTTATGGAGCCCTGTT
ATGGCAGCTGCACGGAGAGACAGCATCATTACTACCTCAGTTACATTGAGGAATGGGATTTAGTGTGGCAGCAT
CTGCGGCTTCAACAGAAGTTAGTATCCTTGCTCGACAAAGTGATCAGATTAATTGGGAATCTTGGCTACTGGAGG
ATTCTAGTCGAGCTGAATTGCCTGTGACAGACAAGAGTGATGACTCCTTGCCCATGGGAGTTGTCTGACTACTATA
CAAACCAAGTGAAATCACCATCAGTGATGAAAAGACTCTTCCTCTGCTCCAGTTCTCATGTTACTTTCAACAG
ATGGTGTGCTTTGTCCATTTTATATGATTAATCAAATCCTGGGGTTAAGTCTCTCATCAAAACACCAGAGCGAC
TTTCATTAGAAGGAGAGCGACAGCCCAAGTCACCAGGAAGTACTCCCACTACCCCAACCTCCTCTCAAGCCCCAC
AGAACTGGATGCTTCTGCAGCTGCAGCCCCGCTCTCTGCCACCTTCATCACCTGCTGCTCCCATTTGCCACTT
TTTCTTTGCTTCTGCTGGTGGAGCCCCCACTGTGTTCTCCTTTGGTTCTTCATCTTTGAAGTCATCTGCTACGG
TCACTGGGGAGCCCCCTTCATATTCCAGTGGCTCCGACAGCTCCAAAGCAGCCCCAGGCCCTGGCCCATCAACCT
TCTCTTTTGTTCCTCTTCTAAAGCCTCCCTAGCCCCCACCCTGCAGCGTCTCCTGTGGCTCCATCAGCTGCTT
CATTCTCCTTTGGATCATCTGGTTTTAAGCCTACCCTGGAAAGCACACCAGTGCCAAGTGTGTCTGCTCCAAATA
TAGCAATGAAGCCCTCCTTCCCAACCTCAACCTCTGCTGTCAAAGTCAACCTTAGTGAAAAGTTTACTGCTGCAG
CTACCTCTACTCCTGTTAGTAGCTCCCAGAGCGCACCCCGATGTGCGCCATTCTCTTCTGCTCCAAAGCCAGCTG
CTTCTGGACCACTCAGCCACCCACACCTCTCTCAGCACCACCTAGTTCCGTGCCATTGAAGTCCCTCAGTCTTGC
CCTCACCATCAGGACGATCTGCTCAGGGCAGTTCAGCCCAAGTGCCTCAATGGTACAGAAATCACCCAGGATAA
CCCCCTCAGCGGCAAAGCCAGGCTCTCCCCAGGCAAAGTCACTTCAGCCTGCTGTTGCAGAAAAGCAGGGACATC
AGTGGAAGATTTCAGATCCTGTAATGGCTGGAATTGGGGAGGAGATTGCACACTTTCAGAAGGAGTTGGAAGAGT
TAAAAGCCCCGAACCTTCCAAAGCCTGTTTCCAAGTGGGCACCTCTGAGGAGATGAAGATGCTGCGAACAGAATCAG
ATGACTTGCATACCTTTCTTTTGGAGATTAAAGAGACCACAGAGTCGCTTCATGGAGATATAAGTAGCCTGAAAA
CAACTTTACTTTGAGGGCTTTGCTGGTGTGAGGAAGCCAGAGAACAAAATGAAAGAAATCGTGACTCTGGTTATC
TGCATTTGCTTTATAAAAGACCACTGGATCCCAAGAGTGAAGCTCAGCTTCAGGAAATTCGGCGCCTTCATCAGT
ATGTGAAATTTGCTGTCCAAGATGTGAATGATGTTCTAGACTTGGAGTGGGATCAGCATCTGGAACAAAAGAAAA
AACAAAGGCACCTGCTTGTGCCAGAGCGAGAGACACTGTTTAAACCCCTAGCCAAACAATCGGGAAATCATCAACC
AACAGAGGAAGAGGCTGAATCACCTGGTGGATAGTCTTCAGCAGCTCCGCCCTTACAAACAGACTTCCCTGTGGA
GCCTGTCTCGGCTGTTCCTTCCCAGAGCAGCATTCACAGTTTTGACAGTGACCTGGAAAGCCTGTGCAATGCTT
TGTTGAAAACCACTAGAAATCTCACACCAAATCCTTGCCCAAAGTACCAGCCAACTGTCCCCATGAAACAGG
CACAACCTGAGAACTTCTTGCCAAAGAGGAAGACCCCACTGAGATCCACTGCTCCAGCCAGCCTGTCTCGAT
CAGCCTTTCTGTCTCAGAGATATTATGAAGACTTGGATGAAGTCAGCTCAACGTATCTGTCTCCAGTCTCTGG
AGAGTGAAGATGCACGGACGTCTGTAAAGATGACGAGGCAGTGGTTGAGGCCCTCGGCACGCCCCCGTGGTTT
GCACTCCTTCCATCCAGCCAGTCTCTTGCCCCATGCAGCACCTTTTGCTAAATCTCACCTGGTTTATGGTTCTT
CACCTGGTGTGATGGGAACTTCAGTGGCTACATCTGCTAGCAAAATTATTCCTCAAGGGGCCGATAGCACAAATGC
TTGCCACGAAAACCGTGAAACATGGTGCACCTAGTCTTCCCACCCCATCTCAGCCCCGAGGCAGCTGCCGAG
CAGCACTCAGGCGGCAGATGGCCAGTCAGGCACCAGCTGTAAACACTTTGACTGAATCAACGTTGAAGAATGTCC
CTCAAGTGGTAAATGTGCAGGAATTGAAGAATAACCCTGCAACCCCTTCTACAGCCATGGGTTCTTCAGTGCCCT
ACTCCACAGCCAAAACACCTCACCCAGTGTGACCCAGTGGCTGCTAACCAAGCCAAGCAGGGGTCTCTAATAA

3055/6881

FIGURE 2817B

ATTCCCTTAAGCCATCTGGGCCTACACCAGCATCCGGTCAGTTATCATCTGGTGACAAAGCTTCAGGGACAGCCA
AGATAGAAAACAGCTGTGACTTCAACCCCATCTGCTTCTGGGCAGTTCAGCAAGCCTTTCTCATTTCCTCATCAG
GGACTGGCTTTAATTTTGGGATAATCACACCAACACCGTCTTCTAATTTCACTGCTGCACAAGGGGCAACACCCT
CCACTAAAGAGTCAAGCCAGCCGGACGCATTCTCATCTGGTGGGGGAAGCAAACCTTCTTATGAGGCCATTCTG
AAAGCTCACCTCCCTCAGGAATCACATCCGCATCAAACACCACCCAGGAGAACCTGCCGCATCTAGCAGCAGAC
CTGTGGCACCTTCTGGAAGTCTCTTTCCACCACCTCTAGTAAGCTGGAACCCACCGTCCAAGCTGGGAGAGC
TTCTGTTTCCAAGTCTTTGGCTGGAGAGACTCTGGGAAGTTTTTCAGGACTGCGGGTTGGCCAAGCAGATGATT
CTACAAAACCAACCAATAAGGCTTCATCCACAAGCCTAACTAGTACCCAGCCAACCAAGACGTCAGGCGTGCCCT
CAGGGTTTAATTTTACTGCCCCCGGTGTTAGGGAAGCACACGGAGCCCCCTGTGACATCCTCTGCAACCACCA
CCTCAGTAGCACCACCAGCAGCCACCAGCACTTCCTCAACTGCCGTTTTTGGCAGTCTGCCAGTCACCAGTGCAG
GATCCTCTGGGGTCATCAGTTTGGTGGGACATCTCTAAGTGTGGCAAGACTAGTTTTTCATTGGAAGCCAAC
AGACCAATAGCACAGTGCCCCCATCTGCCCCACCACCAACTACAGCTGCCACTCCCCCTTCCAACATCATTCCCCA
CATTGTCAATTTGGTAGCCTCTGAGTTCAGCAACTACCCCTCCTGCTATGTCCGCTGGCAGAAGCACAGAAG
AGGCCACTTCATCAGCTTTGCCTGAGAAGCCAGGTGACAGTGAGGTCTCAGCATCAGCAGCCTCACTTCTAGAGG
AGCAACAGTCAGCCCAGCTTCCCCAGGCTCCTCCGCAAACCTTCTGACTCTGTTAAAAAAGAACCCTGTTCTTGCCC
AGCCTGCAGTCAGCAACTCTGGCACTGCAGCATCTAGTACTAGTCTTGTAGCACITTTCTGCAGAGGCTACCCAG
CCACCACGGGGTCCCTGATGCCAGGACGGAGGCAGTACCACCTGCTTCCTCTTTCTGTGCTGGGCAGACTG
CTGTACAGCAGCTGCTATCTCAAGTGCAGGCCCTGTGGCCGTCGAAACATCAAGTACCCCATAGCCTCCAGCA
CCACGTCCATTGTTGCTCCCGGCCATCTGCAGAGGCAGCAGCATTTGGTACCGTCACTTCTGGCTCATCCGTCT
TTGCTCAGCCTCCTGCTGCCAGTTCTAGCTCAGCTTTCAACCAGCTCACCACAACACAGCCACTGCCCCCTCTG
CCACGCCCCGTGTTTGGGCAAGTGGCAGCCAGCACCGCACCAAGTCTGTTTGGGCAGCAGACTGGTAGCACAGCCA
GCACAGCAGCTGCCACACCACAGGTCAGCAGCTCAGGGTTTAGCAGCCAGCTTTTGGTACCACAGCCCCAGGGG
TCTTTGGACAGACAACCTTCGGGCAGGCCCTCAGTCTTTGGGCAGTCGGCGAGCAGTGCTGCAAGTGCTTTTCCT
TCAGTCAGCCTGGGTTTCAAGTTCGGTGCCTGCTTCGGTTCAGCCTGCTTCCTCCACTCCACATCCACCAGTGGA
GTGTCTTTGGTGGCGCTCAAGTACCAGTAGCTCCAGTTCCTTCTCATTGAGACAGTCTTCTCCCAACACAGGAG
GGGGGCTGTTTGGCCAAAGCAACGCTCCTGCTTTTGGGCAGAGTCCTGGCTTTGGACAGGGAGGCTCTGTCTTTG
GTGGTACCTCAGCTGCCACCACAACAGCAGCAACCTCTGGGTTTCAAGCTTTGCAAGCTTCAGGTTTGGGTCTA
GTAATACTGGTTCTGTGTTTGGTCAAGCAGCCAGTACTGGTGAATAGTCTTTGGCCAGCAATCATCTCTTCCA
GTGGTAGCGTGTTTGGGTCTGGAACACTGGAAGAGGGGGAGGTTTCTTCAAGTGGCCTTGGAGGAAAACCCAGTC
AGGATGCAGCCAACAAAAACCCATTTCAGCTCGGCCAGTGGGGGCTTTGGATCCACAGCTACCTCAAATACCTCTA
ACCTATTTGGAAACAGTGGGGCCAAGACATTTGGTGGATTGTCAGCTCGTCGTTTGGAGAGCAGAAACCCACTG
GCATTTTCAGCTCTGGAGGAGGAAGTGTGGCATCCCAAGGCTTTGGGTTTTCTCTCCAAACAAAACAGGTGGCT
TCGGTGCTGCTCCAGTGTTTGGCAGCCCTCCTACTTTTGGGGGATCCCCCTGGGTTTGGAGGGGTGCCAGCATTCG
GTTTCAGCCCCAGCCTTTACAAGCCCTCTGGGCTCGACGGGAGGCAAAGTGTTTCGGAGAGGGGACTGCAGCTGCCA
GCGCAGGAGGATTTCGGGTTTGGGAGCAGCAGCAACACCACATCCTTCGGCACGCTCGCGAGTCAGAATGCCCCCA
CTTTCGGATCACTGTCCCAACAGACTTCTGGTTTTGGGACCCAGAGTAGCGGATTCTCTGGTTTTGGATCAGGCA
CAGGAGGTCTGTCCAGGGTTTTGGTGGCTGGCGAAGCTGAGGGCGTGTTCAGCAGGCCTTTTCGATCCCTGGGACCA
ACCGCATCCTCAGCTTCTTCCCCGAGAAATGCTGGAGCAGGCTGTTTCAGACCGACGTTGCCATCAAAACACATAC
ACCCAGAAAGAAACAACAGAAACCAAACTCACAAGGCGCATGATTACTTGTATTTATTTTCATGTTGGGTTTTCT
CTCCCACTATTAAACAGTCTGTTTCCGTAC

3056/6881
FIGURE 2818

GCCGGAGCCCGGACCAGGCGCCTGTGCCTCCTCCTCGTCCCTCGCCGCGTCCGCGAAGCCTGGAGCCGGCGGGAG
CCCCGCGCTCGCCATGTCTGGGCGAGCTCAGCAACAGGTTCCAAGGAGGGAAGGCGTTCGGCTTGCTCAAAGCCCG
GCAGGAGAGGAGGCTGGCCGAGATCAACCGGGAGTTTCTGTGTGACCAGAAGTACAGTGATGAAGAGAACCTTCC
AGAAAAGCTCACAGCCTTCAAAGAGAAGTACATGGAGTTTGACCTGAACAATGAAGGCGAGATTGACCTGATGTC
TTTAAAGAGGATGATGGAGAAGCTTGGTGTCCCCAAGACCCACCTGGAGATGAAGAAGATGATCTCAGAGGTGAC
AGGAGGGGTCAGTGACACTATATCCTACCGAGACTTTGTGAACATGATGCTGGGGAAACGGTCGGCTGTCCTCAA
GTTAGTCATGATGTTTGAAGGAAAAGCCAACGAGAGCAGCCCCAAGCCAGTTGGCCCCCTCCAGAGAGAGACAT
TGCTAGCCTGCCCCGAGGACCCCGCTGGACTCCCCAGCCTTCCACCCCATACCTCCCTCCCGATCTTGCTGCC
CTTCTTGACACACTGTGATCTCTCTCTCTCATTGTGTTGGTCATTGAGGGTTTGTGTTGTTTTCATCAATGT
CTTTGTAAAGCACAAATTATCTGCCTTAAAGGGGCTCTGGGTGCGGGAATCTGAGCCTTGGGTCCCCCTCCCTCT
CTTCTTCCCTCCTTCCCGCTCCCTGTGAGAAGGGCTGACATCAAACCAAAAAGTAGAGGGGGCAGGGCCAGGG
CAGGGAGGCTTCCAGCCTGTGTTCCCTCACTTGGAGGAACAGCACTCTCCATCCTTTCAGAAAGTCTCCAAGC
CAAGTTCAGGCTCACTGACCTGGCTCTGACGAGGACCCAGGCCACTCTGAGAAGACCTTGGAGTAGGGACAAGG
CTGCAGGGCCTCTTTCGGGTTTCTTGGACAGTGCCATGGCTCCAGTGCTCTGGTGTCAACCAGGACACAGCCAC
TCGGGGCCCCGCTGCCCCAGCTGATCCCCACTCATTCCACACCTCTTCTCATCCTCAGTGATGTGAAGGTGGGAA
GGAAAGGAGCTTGGCATTGGGAGCCCTTCAAGAAGGTACCAGAAGGAACCTCCAGTCTGCTCTCTGGCCACAC
CTGTGCAGGCAGCTGAGAGGCAGCGTGCAGCCCTACTGTCCCTTACTGGGGCAGCAGAGGGCTTCGGAGGCAGAA
GTGAGGCCTGGGGTTTTGGGGGAAAGGTCAGCTCAGTGCTGTTCCACCTTTTAGGGAGGTTACTGAGGGGACCAG
GATGGGAGAATGAGGAGTAAATGCTCACGGCAAAGTCAGCAGCACTGGTAAGCCAAGACTGAGAAATACAAGGT
TGCTTGCTGACCCCCAATCTGCTTGAAACCTGACTCTGCTTCTCTCATTGTCTTCCCTACCCTACTCACATAATT
CACTCATTGACTCACTCATTACCAGATATTTATTGACCTGCTATTATAAGCTTTACATCCTCCCATGTTGTCT
GGCATGTGCAGTATACAGGTCTAACTCATCTCTCCCCAGATCTCTCAGAACCCTTGAGCTTGGGAATTGAACTGG
GGTCACCTGTGTCTTTCTTATGGACTCGCAGGATTTTAGAACCTTAATGCACCCTGGAGGGTAGCTGGGCCAGA
CTTCTCATTTACAGGTGAGGAGACTGGTGCCCCACAGGGATTAAGTGCCCTTGCCCAAGGTGAGGCTTATCTCCA
GAGGGAGGTGCCCTGGACTGGGGCCAGATGTTTCAGGGACCTGCCTACACCTCATTTCAGTGTTGGGCTGCCTT
AGTTAGTTATGAGAACAGGGAAGGGCTGGGAAGAGACAGCCTCCAAGGTCAACACTTGGAGAGGGTTTCACTTGC
TCTGAAGACCTGGTCCAGGATTGCGCCTCTCCCATGCCTTCAAGTCAGCATCAGGCTTAGGGCAAAGACCAGGC
CTCTGAAGCTGCCTCTTGTAATTCATGCAGGAAGATGTCAAAGTCAGCCCCATCTTGGCTGATCAGGGTGTTTCA
CCTTAACCCACCTGTGTTCTGAAGTCTCTTACCCTACCTGCTCAGGACTGAGACAGTTATTCACTGAACATATT
TATTAAGCACTTGCTGTAGGCCAACAGTTAAGAATCCAATAATGAAATGGACAGATTATGGAACCTTAGAGTCCA
ATAGGAAAAGTGAGACCCAGACAATGACAATGAGATAAATGTTAGGAAGGGGAGGTATGGGGTGACTTCCCTGCA
GTCCTGGGGGCCCTAGATGGGCCCAAGACTGGGTGAGAGTCTTGGCAGAGCCTTGTCAACACCTTAAGTGGACAGG
ACTGGGAGGTCTTGTTGGTTGGAGCCAACGTGGGTTCCTGCGGCTCCTTAGTCACCTCTGATAGCAGATTGAGG
GAGGAAAACAGGTAAGGCATGAGGAAATGGCCAGGTTGGGTAAACCACTGGTTTCAACCAGTTCAGGAATGAGG
TTATTTGGCCATGACTGGCTGATCTTGAGCTCAAGGATCTGCTTCAAATGCACACAGGCCTAGTTGAAGTTTAAA
CCCCAGCAAAACATTCTCCCTGTAAATGGAATCCTACTTCTACCCCCACCCTGCCCTGTTTTTTGTTTTTTT
TTTCCCCAAGATCATTAGATGTCCTCACCCCTCCTCACTGCCTCTCCTCTCTGGGACAGGCTGGGACCTTTGAGG
AAGATAAAGCCTTCCTTCACTACCCATCATATTAGTGTCCCTGTTCTCACTCAGAGAGGAAGGCAGAACCAGT
CAGGCTTATTTAGTAAGTCCACAGTCTTACAAGACTGCAGGAATTCTCCTTAAGGGAGGAGAGCAAGCAGGTG
TGGCCCCAGCTTCTGGAAATGGCAGAAGAGAGGGTTTTCTCATTGAATGGGGGTGGGGGCTCGTGTGCTCTGGGA
AACCCCATCAGTCCCTTCATTCTTGAGACTCAACTCCTGGGAGGAGAGGGTCTCAAGAGTTGTCCCTGGAAGGA
GGGCGGGGGCAGTCTGCATCTATTTAGGTTGTGGCTCTTGGTTCTAGGACTCTTACTTCTCTGGCTAAGGGCTC
AGCTTCTTGGGACTTCAACCATCTTCTTTCTGAAAGACCAATCTAATGTAACCAGTAACGTGAGGACTGCCAAG
TATGGCTTTGTCCCTATGACTCAGAGGAGGGTTTTGTGCGGGCAAATTCAGGTGGATGAAGTATGTGTGTGCGTGTG
CATGGGAGTGTGCGTGGACTGGGATATCATCTCTACAGCCTGCAAATAAACCAGACAACTT

3057/6881
FIGURE 2819A

ATGGGGCAGCAGCCTGGAAAAGTACTTGGGGACCAAAGAAGGCCAAGCTTGCCTGCCCTGCATTTTATCAAAGGA
GCAGGGAAGAAGGAATCATCGAGGCATGGGGGTCCACACTGCAATGTTTTTGTGGAACAAGCCCTTCAGCGGCCA
GTAGCATCTGACTTTGAGCCTCAGGGTCTGAGTGAAGCCGCTCGTTGGAACCTCAAGGAAAACCTTCTCGCTGGA
CCCAGTGAAAATGACCCCAACCTTTTCGTTGCACTGTATGATTTTGTGGCCAGTGGAGATAACACTCTAAGCATA
ACTAAAGGTGAAAAGCTCCGGGTCTTAGGCTATAATCACAATGGGGAATGGTGTGAAGCCCAAAACAAAATGGC
CAAGGCTGGGTCCCAAGCAACTACATCACGCCAGTCAACAGTCTGGAGAAACACTCCTGGTACCATGGGCCTGTG
TCCCGCAATGCCGCTGAGTATCTGCTGAGCAGCGGGATCAATGGCAGCTTCTTGGTGCCTGAGAGTGAGAGCAGT
CCTGGCCAGAGGTCCATCTCGCTGAGATACGAAGGGAGGGTGTACCATTACAGGATCAACACTGCTTCTGATGGC
AAGCTCTACGTCTCCTCCGAGAGCCGCTTCAACACCCCTGGCCGAGTTGGTTTCATCATCATTCAACGGTGGCCGAC
GGGCTCATCACCACGCTCCATTATCCAGCCCCAAAGCGCAACAAGCCCACTGTCTATGGTGTGTCCCCAACTAC
GACAAGTGGGAGATGGAACGCACGGACATCACCATGAAGCACAAGCTGGGCGGGGGCCAGTACGGGGAGGTGTAC
GAGGGCGTGTGGAAGAAATACAGCCTGACGGTGGCCGTGAAGACCTTGAAGGAGGACACCATGGAGGTGGAAGAG
TTCTTGAAAGAAGCTGCAGTCATGAAAGAGATCAAACACCCCTAACCTGGTGCAGCTCCTTGGGGTCTGCACCCGG
GAGCCCCGTTCTATATCATCACTGAGTTCAATGACCTACGGGAACCTCCTGGACTACCTGAGGGAGTGCAACCGG
CAGGAGGTGAACGCCGCTGGTGTCTGTGTACATGGCCACTCAGATCTCGTCAGCCATGGAGTACCTGGAGAAGAAA
AACTTCATCCACAGAGATCTTGCTGCCCCGAAACTGCCTGGTAGGGGAGAACCCTTGGTGAAGGTAGCTGATTTT
GGCCTGAGCAGGTTGATGACAGGGGACACCTACACAGCCATGCTGGAGCCAAGTTCCCCATCAAATGGACTGCA
CCCAGAGCCTGGCCTACAACAAGTTCTCCATCAAGTCCGACGCTCGGGCATTGGAGTATTGCTTTGGGAAATT
GCTACCTATGGCATGTCCCCTTACCCGGGAATTGACCTGTCCCAGGTGTATGAGCTGCTAGAGAAGGACTACCGC
ATGGAGCGCCAGAGGCTGCCAGAGAAGGTCTATGAACTCATGCGAGCATGTTGGCAGTGGAATCCCTCTGAC
CGGCCCTCCTTTGCTGAAATCCACCAAGCCTTTGAAACAATGTTCCAGGAATCCAGTATCTCAGACGAAGTGGA
AAGGAGCTGGGGAACAAGGCGTCCGTGGGGCTGTGAGTACCTTGCTGCAGGCCCCAGAGCTGCCACCAAGACG
AGGACCTCCAGGAGAGCTGCAGAGCACAGAGACACCACTGACGTGCCTGAGATGCCTCACTCCAAGGGCCAGGGA
GAGAGCGATCCTCTGGACCATGAGCCTGCCGTGTCTCCATTGCTCCCTCGAAAAGAGCGAGGTCCCCCGGAGGGC
GGCTGAATGAAGATGAGCGCCTTCTCCCCAAAGACAAAAAGACCAACTTGTTCAGCGCCTTGATCAAGAAGAAG
AAGAAGACAGCCCCAACCCCTCCCAAACGCAGCAGCTCCTTCCGGGAGATGGACGGCCAGCCGGAGCGCAGAGGG
GCCGGCGAGGAAGAGGGCCGAGACATCAGCAACGGGGCACTGGCTTTCACCCCTTGACACAGCTGACCCAGCC
AAGTCCCCAAAGCCAGCAATGGGGCTGGGGTCCCCAATGGAGCCCTCCGGGAGTCCGGGGGCTCAGGCTTCCGG
TCTCCCCACCTGTGGAAGAAGTCCAGCAGCTGACCAGCAGCCGCTAGCCACCGCGAGGAGGAGGGCGGTGGC
AGCTCCAGCAAGCGCTTCTGCGCTCTTGCTCCGCCTCCTGCGTTCCCCATGGGGCCAAGGACACGGAGTGGAGG
TCAGTCACGCTGCCTCGGGACTTGCACTCCACGGGAAGACAGTTTGACTCGTCCACATTTGGAGGGCACAAAAGT
GAGAAGCCGGCTCTGCCTCGGAAGAGGGCAGGGGAGAACAGGTCTGACCAGGTGACCCGAGGCACAGTAACGCT
CCCCCAGGCTGGTGA AAAAGAATGAGGAAGCTGCTGATGAGGTCTTCAAAGACATCATGGAGTCCAGCCCGGGC
TCCAGCCCGCCAACTGACTCCAAAACCCCTCCGGCGGCAGGTACCCGTGGCCCTGCCTCGGGCCTCCCCAC
AAGGAAGAAGCTGGAAGGGCAGTGCCTTAGGGACCCCTGCTGCAGCTGAGCCAGTGACCCCCACCAGCAAAGCA
GGCTCAGGTGCACCAGGGGGCACCAGCAAGGGCCCCGCGAGGAGTCCAGAGTGAGGAGGCACAAGCACTCCTCT
GAGTCGCCAGGGAGGGACAAGGGGAAATGTCCAGGCTCAAACCTGCCCCGCGCCCCCACCAGCAGCCTCTGCA
GGGAAGGCTGGAGGAAAGCCCTCGCAGAGCCCGAGCAGGAGGCGCGGGGAGGAGTCTGGGCGCAAAGACA
AAAGCCACGAGTCTGGTTGATGCTGTGAACAGTGACGTGCCAAGCCAGCCAGCCGGGAGAGGGCTCAAAAAG
CCCGTGCTCCCGGCCACTCCAAAGCCACAGTCCGCCAAGCCGTCCGGGACCCCATCAGCCAGCCCCGTTCCC
TCCACGTTGCCATCAGCATCCTCGGCCCTGGCAGGGGACCAGCCGTCTTCCACCGCTTTCATCCCTCTCATATCA
ACCCGAGTGTCTCTTCGGA AAACCCGCGCCTCCAGAGCGGATCGCCAGCGGCGCCATCACCAGGGCGTGGTC
CTGGACAGCACCGAGGCGCTGTGCCTCGCCATCTCTAGGAACTCCGAGCAGATGGCCAGCCACAGCGCAGTGCTG
GAGGCCGGCAA AAACCTCTACACGTTCTGCGTGAGCTATGTGGATTCCATCCAGCAAATGAGGAACAAGTTGCC
TTCCGAGAGGCCATCAACAACTGGAGAATAATCTCCGGGAGCTTCAGATCTGCCCGGCACAGCAGGCAGTGGT
CCAGCGGCCACTCAGGACTTCAGCAAGCTCCTCAGTTCCGTGAAGGAAATCAGTGACATAGTGAGAGGTAGCAG
CAGTCAGGGGTGAGGTGTAGGCCCCGTGGAGCTGCCTGCAGCACATGCGGGCTCGCCCATACCCGTGACAGTGG
CTGACAAGGGACTAGTGAGTCAGCACCTTGGCCCAGGAGCTCTGCGCCAGGCAGAGCTGAGGGCCCTGTGGAGTC

3058/6881

FIGURE 2819B

CAGCTCTACTACCTACGTTTGCACCGCCTGCCCTCCCGCACCTTCCCTCCTCCCCGCTCCGTCTCTGTCTCCTCGAAT
TTTATCTGTGGAGTTCCCTGCTCCGTGGACTGCAGTCGGCATGCCAGGACCCGCCAGCCCCGCTCCCACCTAGTGC
CCCAGACTGAGCTCTCCAGGCCAGGTGGGAACGGCTGATGTGGACTGTCTTTTTCATTTTTTCTCTCTGGAGCC
CCTCCTCCCCCGGCTGGGCCTCCTTCTTCCACTTCTCCAAGAATGGAAGCCTGAACTGAGGCCTTGTGTGTCTCAGG
CCCTCTGCCTGCACTCCCTGGCCTTGCCCGTCGTGTGCTGAAGACATGTTTCAAGAACCGCATTTTCGGGAAGGGC
ATGCACGGGCATGCACACGGCTGGTCACTCTGCCCTCTGCTGCTGCCCGGGGTGGGGTGCCTCGCCATTTCCCTC
ACGTGCAGGACAGCTCTTGATTGGGTGGAAAACAGGGTGCTAAAGCCAACAGCCTTTGGGTCTTGGGCAGGTG
GGAGCTGAAAAGGATCGAGGCATGGGGCATGTCCTTTCCATCTGTCCACATCCCCAGAGCCCAGCTCTTGCTCTC
TTGTGACGTGCACTGTGAATCCTGGCAAGAAAGCTTGAGTCTCAAGGGTGGCAGGTCACTGTCACTGCCGACATC
CCTCCCCCAGCAGAATGGAGGCAGGGGACAAGGGAGGCAGTGGCTAGTGGGGTGAACAGCTGGTGCCAAATAGCC
CCAGACTGGGCCCAGGCAGGTCTGCAAGGGCCCAGAGTGAACCGTCCCTTTACACATCTGGGTGCCCTGAAAGGG
CCCTTCCCTCCCCCACTCCTCTAAGACAAAAGTAGATTCTTACAAGGCCCTTTCCCTTTGGAACAAGACAGCCTTC
ACTTTTCTGAGTTCTTGAAGCATTTCAAAGCCCTGCCTCTGTGTAGCCGCCCTGAGAGAGAATAGAGCTGCCACT
GGGCACCTGCGCACAGGTGGGAGGAAAGGGCCTGGCCAGTCTGGTCTGGCTGCACTCTTGAAGTGGGCGAATG
TCTTATTTAATTACCGTGAGTGACATAGCCTCATGTTCTGTGGGGGTTCATCAGGGAGGGTTAGGAAAACACAAA
CGGAGCCCTGAAAGCCTCACGTATTTACAGAGCACGCCTGCCATCTTCTCCCCGAGGCTGCCCCAGGCCGGAG
CCCAGATACGGGGGCTGTGACTCTGGGCAGGGACCCGGGGTCTCCTGGACCTTGACAGAGCAGCTAACTCCGAGA
GCAGTGGGCAGGTGGCCGCCCTGAGGCTTCACGCCGGGAGAAGCCACCTTCCCACCCCTTCATAACGCCTCGTG
CCAGCAGCCTCGCACAGGCCCTAGCTTTACGCTCATCACCTAAACTTGTACTTTATTTTTCTGATAGAAATGGTT
TCCTCTGGATCGTTTTATGCGGTTCTTACAGCACATCACCTCTTTGCCCCGACGGCTGTGACGCAGCCGGAGGG
AGGCACTAGTCACCGACAGCGGCCTTGAAGACAGAGCAAAGCGCCACCCAGGTCCCCGACTGCCTGTCTCCAT
GAGGTACTGGTCCCTTCCTTTTGTTAACGTGATGTGCCACTATATTTTACACGTATCTCTTGGTATGCATCTTTT
ATAGACGCTCTTTTCTAAGTGGCGTGTGCATAGCGTCTGCCCTGCCCCCTCGGGGGCCTGTGGTGGCTCCCCCT
CTGCTTCTCGGGGTCCAGTGCATTTTGTCTGTATATGATTCTCTGTGGTTTTTTTTTGAATCCAAATCTGTCTCT
CTGTAGTATTTTTTAAATAAATCAGTGTTCATTAG

3059/6881
FIGURE 2820

GGCACGAGGAGATGCGGATGGAGATGAGGCTTCCAGTGGCTCGCAAGCCTCTTAGCGAGAGACTGGGCCGCGACA
CTAAGAAACATCTAGTGGTGCCGGGGGATACAATCACTACGGACACAGGATTCATGCGGGGCCATGGAACGTATA
TGGGAGAAGAGAAGCTCATTGCATCTGTTGCTGGCTCTGTGGAGAGAGTAAACAAGTTGATCTGTGTGAAAGCTT
TGAAAACCAGATACATTGGTGAAGTAGGAGACATCGTAGTGGGACGAATCACAGAGGTTCAACAGAAAGAGGTGGA
AGGTGGAGACCAACTCCAGGCTGGATTCTGGTCTTGCTGCTCTCGTCCATGAACCTTCTTGGAGGAGAGCTGAGGA
GAAGATCTGCAGAAGATGAGCTTGCAATGAGAGGTTTCTTACAGGAAGGGGACCTTATCAGTGCTGAGGTCCAGG
CAGTGTCTCTGACGGAGCTGTCTCTTTGCACACGAGGAGCCTGAAATATGGAAAACTAGGTCAGGGGGTTTTGG
TCCAGGTTTTCCCCCTCCCTGGTGAAACGGCAGAAGACCCACTTTTCATGATTTGCCATGTGGTGCCCTCAGTGATT
TCGGTAACAACGGCTTCATCTGGATTTACCCAACACCTGAGCACAAAGAAGAGGAAGCAGGGGGCTTCATTGCAA
ACCTGGAGCCTGTCTCTCTTGTCTGATCGAGAGGTGATATCCCGGCTTCGGAAGTGCATCATCTCGCTGGTAACTC
AGAGGATGATGCTGTATGATACCAGCATCCTGTACTGCTATGAAGCATCCCTTCCACATCAGATCAAAGACATCT
TAAAGCCAGAAATAATGGAGGAGATTGTGATGGAAACACGCCAGAGGCTTTTGGAAACAGGAGGGATTAAGGAGGTG
CTCCAGAAGCACGGGACTGTGGACCTTGACAGGAGTGAAGACTGTGATGTGTGGTCCCCATATGTGGCTCAGCAAA
GACTCGAGAGATCATCCCTTTGTCTGCATTGACGGCCCTGTGACGGCCTCCAGCCCACAGGCCTGCTTCTCTCTG
TCCTAACACCAAGCCTGGGTGGCAGATGAACAGTGCTTCCTTGGGTTGCCAGCTGAGTCCCGGTATTAGGGAATA
GTTTCAGCTCTTTCAAAGTGCACAGTGTTACAGTCGAATGGGCTCCCATCCTGGAATAATATGGAGAATCCTTTG
TCTTCCACTCACTGTCATTCACAAGGCACAGTGCCCCATGAAATTGCCCAATAGAAAACATGGCATCCCTGACC
TCCAAATGGTCTGTTTTGGCCTCCATTCCCTATATCCTTTAAATGACTGAGAATGCAGCTGGTAAAGTTGGAAGAA
TAAAGTTAACCAAGCAGGCCAGGCACGGTGGCTCACGCCTATAATCCCAGCACTTAGGGAGGCCAAGGCGGGCAG
ATCACCTGAGGTCAATAGTTTCGAGACCAGCCTGGCCAACAAGGTGAAACCCCATCTCTACTAAAAATACAAAAA
TTAGCCAGGTGTGGTGGTGTGCACCTGTAGTCCCAGCTATTTGGGAGGCTGAGGTGGGAGAATCACTTGAACCTG
GGAGGCGGAGGTTGCAGTGAGCTGAAATCGCGTACCACACTCCAGCCTGGGTGACAGAGCGAGACTGTGTTTCAA
AGAAAAAAAAAAAAACAAGCAGCCTTTTGCTTGGTTGGAATCTGATTTTCTGTTGCGTGTTCCTTGTAGCCATAGAT
GTGATTATGTCCACACCGGGCTGCCTTAATCTGTCTGCTTGGAGAGTGACTTGTAAGATGCTGAATTATTCATG
ATAATACAGTGAATGTTCTGGGTCCATGTACTCAGATAAACATGAAGAAAATAAGCAAAGAAAAATGGAGACTGG
GAAAGCAAAGCTGTTTTCATCCTATAATTGAAGTAGTGTGGAGCATTAACTTGTGGATGATTCAGAGTTAAAGA
TAAAAAGACGCCAGAGTTCTCGCTGAAGAATGTGAGAAAAAAAAAAAAAAAAAAAAAAAAA

3060/6881
FIGURE 2821

MAMEMRLPVARKPLSERLGRDTKKHLVVPGDTITTTDTGFMRGHGYMGEEKLIASVAGSVERVNKLICVKALKTR
YIGEVGDIVVGRITEVQQKRWKVETNSRLDSVLLLSSMNLPGGELRRRSAEDELAMRGFLQEGDLISAEVQAVFS
DGAVSLHTRSLKYGKLGQGVLVQVSPSLVKRQKTHFDLPCGASVILGNNGFIWIYPTPEHKEEEAGGFIANLEP
VSLADREVISRLRNCIISLVTQRMMLYDTSILYCYEASLPHQIKDILKPEIMEEIVMETRQRLLEQEG

3061/6881
FIGURE 2822

GGCACGAGGCTTATAACCTGGGATGGGCACCCCTGCCAGTCCTGCTCTGCCGCCTGCCACCGCTGCCCCGAGCCCG
ACGCTATGTCCAGCAAAGGCTCCGTGGTTCTGGCCTACAGTGGCGGCCTGGACACCTCGTGCATCCTCGTGTGGC
TGAAGGAACAAGGCTATGACGTCATTGCCTATCTGGCCAACATTGGCCAGAAGGAAGACTTCGAGGAAGCCAGGA
AGAAGGCACTGAAGCTTGGGGCCAAAAAGGTGTTCAATTGAGGATGTCAGCAGGGAGTTTGTGGAGGAGTTTCATCT
GGCCGGCCATCCAGTCCAGCGCACTGTATGAGGACCGCTACCTCCTGGGCACCTCTCTTGCCAGGCCCTGCATCG
CCCGCAAACAAGTGGAATCGCCAGCGGGAGGGGGCCAAGTATGTGTCCCACGGCGCCACAGGAAAGGGGAACG
ATCAGGTCCGGTTTGAGCTCAGCTGCTACTCACTGGCCCCCAGATAAAGGTCATTGCTCCCTGGAGGATGCCTG
AATTCTACAACCGGTTCAAGGGCCGCAATGACCTGATGGAGTACGCAAAGCAACACGGGATTCCCATCCCGGTCA
CTCCAAGAACCCGTGGAGCATGGATGAGAACCTCATGCACATCAGCTACGAGGCTGGAATCCTGGAGAACCCCA
AGAACCAAGCGCCTCCAGGTCTCTACACGAAGACCCAGGACCCAGCCAAAGCCCCCAACACCCCTGACATTCTCG
AGATCGAGTTCAAAAAAGGGGTCCCTGTGAAGGTGACCAACGTCAAGGATGGCACCAACCCACCAGACCTCCTTGG
AGCTCTTCATGTACCTGAACGAAGTCGCGGGCAAGCATGGCGTGGGCCGTATTGACATCGTGGAGAACCGCTTCA
TTGGAATGAAGTCCCGAGGTATCTACGAGACCCAGCAGGCACCATCCTTTACCACGCTCATTTAGACATCGAGG
CCTTCACCATGGACCGGGAAGTGCACAAAATCAAACAAGGCCTGGGCTTGAAATTTGCTGAGCTGGTGTATACCG
GTTTCTGGCACAGCCCTGAGTGTGAATTTGTCCGCCACTGCATCGCCAAGTCCCAGGAGCGAGTGGAAAGGGAAAG
TGCAGGTGTCCGTCTCAAGGGCCAGGTGTACATCCTCGGCCGGGAGTCCCCACTGTCTCTCTACAATGAGGAGC
TGGTGAGCATGAACGTGCAGGGTGATTATGAGCCAACCTGATGCCACCGGGTTCATCAACATCAATTCCCTCAGGC
TGAAGGAATATCATCGTCTCCAGAGCAAGGTCACTGCCAAATAGACCCGTGTACAATGAGGAGCTGGGGCCTCCT
CAATTTGCAGATCCCCCAAGTACAGGCGCTAATTGTTGTGATAATTTGTAATTGTGACTTGTTCTCCCCGGCTGG
CAGCGTAGTGGGGCTGCCAGGCCCCAGCTTTGTTCCCTGGTCCCCCTGAAGCCTGCAAACGTTGTATCGAAGGG
AAGGGTGGGGGGCAGCTGCGGTGGGGAGCTATAAAAAATGACAATTAAAAGAGACACTAGTCTTTTATTTCTAAAA
AAAAAAAAAAAAAAAAAAAA

3062/6881
FIGURE 2823

MSSKGSVVLAYS GG LDTSCILVWLKEQGYDVIA YLANIGQKEDFEEARKKALKLGAKKVFIEDVSREFVEEFIWP
AIQSSALYEDRYLLGTSLARPCIARKQVEIAQREGAKYVSHGATGKGNDQVRFELSCYSLAPQIKVIAPWRMPEF
YNRFKGRNDLMEYAKQHGIPIPVTPKNPWMDENLMHISYEAGILENPKNQAPPGLYTKTQDPAKAPNTPDILEI
EFKKGVFVKVTNVKDGTTHTSLELFMYLNEVAGKHGVGRIDIVENRFIGMKSRGIYETPAGTILYHAHL D IEAF
TMDREVRKIKQGLGLKFAELVYTGFWHSPECEFVRH CIAKSQERVEGKVQVSVLKGQVYILGRESPLSLYNEELV
SMNVQGDYEPTDATGFININSLRLKEYHRLQSKVTAK

3063/6881
FIGURE 2824

AAAAATCGAGGCGGGGCTGAGAGGCTGCGGCGGGCTGACTAGGTTTTTCGGACCGCGGCGCGGCGGGGAAGAGAGAC
TGGCGCGGGAGGGCCAGGCCGTGGGAGAGACGCGGGAAAGTGCGGGTGCGAGAGGCACATTGACCACCCCGCCCTA
GGCCGACCCGGCGGACGCGGCGTCTGGTGTGCGGGCGCTGGGGCGGGTCCCAGGTCTCCCCGCTGCGCTGCTTGA
GGCTCAGCCATGGCCCAGCAGAGAGCCCTGCCCCAGAGCAAGGAGACGCTGCTGCAGTCTACAACAAGCGGCTG
AAGGACGACATTAAGTCCATCATGGACAACCTTCACCGAGATCATCAAGACCGCCAAGATTGAGGACGAGACGCAG
GTGTACGGGGCCACTCAGGGTGAACAGGACAATTACGAGATGCATGTGCGAGCCGCCAACATCGTCCGAGCCGGC
GAGTCCCTGATGAAGCTGGTGTCCGACCTCAAGCAGTTCCTGATCCTCAATGACTTCCCCCTCCGTGAACGAGGCC
ATTGACCAGCGCAACCAGCAGCTGCGCACACTGCAGGAGGAGTGCAGCCGGAAGCTCATCACGCTGCGAGACGAG
ATCTCCATTGACCTCTACGAGCTGGAGGAGGAGTATTACTCGTCCAGCTCAAGCCTTTGCGAAGCTAATGACCTG
CCTCTGTGCGAAGCTTACGGGAGGCTGGACCTCGACACAGACTCTGCTGATGGCCTCTCGGCCCTCTGCTGGCG
TCCCCGGAGCCCAGTGCTGGCCCCCTACAGGTGGCAGCCCTGCCCCACTCCCATGCTGGTGGCCCTGGCCCCACT
GAGCACGCCTGAGCCTCCGGGGCCACGCTTCGTTCTCAGGAACAAAACCTGAGGCAGCCCTTTGGATGCCCTCAC
AGCCTTGCTTCTCTCAGCCTAGGTTCCCATTTGGGGACTTCAGGACCCAGAGCCACTAGGACTTCCTTGGGAAG
CCCGTTAGCCCAGGGTGGGTCCCACCAGGACAGTAGGGAAACAGTTGTTTCCCTAGCCATTTCCGAATAGCCCAT
CATTCAGTGCATCATCTCTGTTTGCTGCCTTCCTGGCCAGCCAGGTGGAAGAAAGTTTCCAAGCTAGGTCTGGC
CCGTTGGGGATCTCAGCAGTGGGGCAGGAGGGTGCCTGATTTGCGGGAGTCCTGACCCGAGCCTGTTGTCAGAGT
TGGGAGGGGCTCTGAGCAGTGTGGGCAGGCCGGGTCTCCCATCCCAGGCCAGCGTTCCTGTGCAGAGCCCCAT
CCACTGGTTCTTGCCCTGAGCCACATATGTCTGTGCCATGGGCTGAGTGCCACGACAGGCCCGTGTGACAGCTGC
TGCCACGCATGTGGAAGCTAGGTGGGACTCATTCCCTAATTCTGCCGTTGTAATGAGACTTGATTAAAACACCGC
CACTTTTTTGC

3064/6881
FIGURE 2825

GGAGAAGGGAGGCGCCTGGCTGTATCCCCGCAGGCCCTCTTCCGAGAGCCTTCCTCCTCGGGCAGTGCGTTCTG
GGGCTGTGCTGCTCCTGTTACCTTCTGAAACCTTCGACCGTTTGAGCTGGAGGGGCCCTGAGAAATCAGAGTCTA
CGTATCATTACTTAGGGGGAACTTAGGCTGGAGACAGGGAGGCCTTCCACTCTGCCCCATTAGCTTAGAAAAT
CAAGATTCAGTCCAGCAGATGCAGAGTCCATGTCCATCTTGTGCCTTCTCCTGGACAAACCTTTCCTTCCTGGTG
GTGGATTTAAAATACTCCTTTCTGCCCATTGGCCATGCTGGGAGCCACAGCTATCCAGAGCCAGCATGACCTGGG
GCTTGGTTTCCCTGCCCTGGGCTCAGTGGCACTGCTGAGCTGCAGCAGTCCTAGAGTTTTCCAGGGGGTTCTGAG
GGAATCTTTGGTCCCCAGTACTCATTAACTCAGCAGACATGAGGCAGCATTTTCCTCCACACTAGGGTGGCTGAGA
GGGGTCTGGGGTGTTTCAGACCCCTTCTGGGCATCTCCTTCCACAGCTGTTTCAGTTTGTGCGTCTCTTTGAGGCA
GCCACCGTCCCTGAGGGCCCCTGACAGAGCAGCTGTGGGCCTGTAATTCAGCCTGCCTGCCTTGCCCTGGGGCA
GGGAGAGAGGGAACCTGCTCACGGCCCTGCAGCAGAGCAGGGCGCAAACCCAGGACATCTGTGCCAGGCTTCCCA
TGCCCTCCCCCAACAGTCCCTCAGCTTACCCAGCGGGGCTTCCAGGCCAGCCTGTGTCCCCTCCCGCAGGCCTC
CTGTCCACACCAGCGCCCCCTGGGGGGCCTCACACAGCCCCTGGCTTTCCTCTCTGCCTGCTCCTGTCTCTCCCT
GGGGTTTCTGGTGGTGGAAAAGCTCAAGCCTTTGCGAAGCTAATGACCTGCCTCTGTGCGAAGCTTACGGGAGGC
TGGACCTCGACACAGACTCTGCTGATGGCCTCTCGGCCCTCTGCTGGCGTCCCCGGAGCCCAGTGCTGGCCCCC
TACAGGTGGCAGCCCCCTGCCCACTCCCATGCTGGTGGCCCTGGCCCCACTGAGCACGCCTGAGCCTCCGGGGCCA
CGCTTCGTTCTCAGGAACAAAACCTGAGGCAGCCCTTTGGATGCCCTCACAGCCTTGCTTCTCTCAGCC

3065/6881

FIGURE 2826

TTTCCTTTCTCTCTCCTCCCGCCGCCCAAGATGCCGAAAGGAAAGAAGGCCAAGGGAAAGAAGGTGGCTCCGGCC
CCAGCTGTCGTGAAGAAGCAGGAGGCTAAGAAAGTGGTGAATCCCCTGTTTGAGAAAAGGCCTAAGAATTTTGGC
ATTGGACAGGACATCCAGCCCAAAGAGACCTCACCCGCTTTGTGAAATGGCCCCGCTATATCAGGTTGCAGCGG
CAGAGAGCCATCCTCTATAAGCGGCTGAAAGTGCCTCCTGCGATTAACCAAGTTCACCCAGGCCCTGGACCGCCAA
ACAGCTACTCAGCTGCTTAAGCTGGCCCCACAAGTACAGACCAGAGACAAAGCAAGAGAAGAAGCAGAGACTGTTG
GCCCCGGCCGAGAAGAAGGCTGCTGGCAAAGGGGACGTCCCAACGAAGAGACCACCTGTCCTTCGAGCAGGAGTT
AACACCGTCACCACCTTGGTGGAGAACAAGAAAGCTCAGCTGGTGGTGATTGCACACGACGTGGATCCCATCGAG
CTGGTTGTCTTCTTGCCCTGTGTCGTAAATGGGGGTCCCTTACTGCATTATCAAGGGAAAGGCAAGACTG
GGACGTCTAGTCCACAGGAAGACCTGCACCACTGTGCGCTTCACACAGGTGAACTCGGAAGACAAAGGCGCTTTG
GCTAAGCTGGTGAAGCTATCAGGACCAATTACAATGACAGATACGATGAGATCCGCCGTCCTGGGGTGGCAAT
GTCCTGGGTCCTAAGTCTGTGGCTCGTATCGCCAAGCTCGAAAAGGCAAAGGCTAAAGAACTTGCCACTAAACTG
GGTTAAATGTACACTGTTGAGTTTTCTGTACATAAAATAATTGAAATAATACAAATTTTCCTTC

3066/6881
FIGURE 2827

MPKGKKAKGKKVAPAPAVVKKQEAKKVVNPLFEKRPKNFGIGQDIQPKRDLTRFVKWPRYIRLQQRAILYKRLK
VPPAINQFTQALDRQTATQLLKLAKYRPETKQEKQRLARAEEKKAAGKGDVPTKRPPVLRAGVNTVTTLVENK
KAQLVVIAHDVDPIELVVFLPALCRKMGVPYCIIGKARLGRLVHRKTCTTVAFTQVNSDKGALAKLVEAIRTN
YNDRYDEIRRHWGGNVLGPKSVARIAKLEKAKAKELATKLG

3067/6881
FIGURE 2828

GGAGCCGCAGCCGACGCGGAGCGAGGCCGCGCCGCGGCACTTCCTGTGGAGGCCGCAGCGGGTGCGGGCGCCGA
CGGGCGAGAGCCAGCGAGCGAGCGAGCCGAGCCGAGCCTCCCGCCGTCGCCATCGGCCAGAACGACCTGAT
GGGCACGGCCGAGGACTTCGCCGACCAGTTCCCTCCGTGTACAAAGCAGTACCTGCCCCACGTGGCGCGCCTCTG
TCTGATCAGCACCTTCCTGGAGGACGGCATCCGTATGTGGTTCCAGTGGAGCGAGCAGCGCGACTACATCGACAC
CACCTGGAAGTGGGCTACCTGCTGGCCTCGTCCTTCGTCTTCCTCAACTTGCTGGGACAGCTGACTGGCTGCGT
CCTGGTGTGAGCAGGAACCTCGTGCAGTACGCCTGCTTCGGGCTCTTTGGAATCATAGCTCTGCAGACGATTGC
CTACAGCATTATGAGGACTTGAAGTTTTGATGAGGAACCTGGCCCTGGGAGGAGGCCTGTTGCTGCTCCTAGC
AGAATCCCGTTCTGAAGGGAAGAGCATGTTGCGGGCGTCCCCACCATGCGTGAGAGCTCCCCAAACAGTACAT
GCAGCTCGGAGGACGGGTCTTGCTGGTTCTGATGTTTCATGACCCTCCTTCACTTTGACGCCAGCTTCTTTTCTAT
TGTCCAGAACATCGTGGGCACAGCTCTGATGATTTTAGTGGCCATTGGTTTTAAACCAAGCTGGCTGCTTTGAC
TCTTGTGTGTGGCTCTTTGCCATCAACGTATATTTCAACGCCTTCTGGACCATTCCAGTCTACAAGCCCATGCA
TGACTTCCTGAAATACGACTTCTTCCAGACCATGTCGGTGATTGGGGGCTTGCTCCTGGTGGTGGCCCTGGGCC
TGGGGGTGTCTCCATGGATGAGAAGAAGAAGGAGTGGTAAACAGTCACAGATCCCTACCTGCCTGGCTAAGACCCG
TGGCCGTCAAGGACTGGTTCGGGGTGGATTCAACAAAACCTGCCAGCTTTTATGTATCCTCTTCCCTTCCCTCCC
TTGGTAAAGGCACAGATGTTTTGAGAACTTTATTTGCAGAGACACCTGAGAATCGATGGCTCAGTCTGCTCTGGA
GCCACAGTCTGGCGTCTGACCCCTCAGTGCAGGCCAGCCTGGCAGCTGGAAGCCTCCCCACGCCGAGGCTTTGG
AGTGAACAGCCCGCTTGGCTGTGGCATCTCAGTCCTATTTTTGAGTTTTTTTTGTGGGGGTACAGGAGGGGGCCTT
CAAGCTGTACTGTGAGCAGACGCATTGGTATTATCATTCAAAGCAGTCTCCCTCTTATTTGTAAGTTTACATTTT
TAGCGGAAACTACTAAATTATTTGGGTGGTTCAGCCAAACCTCAAAACAGTTAATCTCCCTGGTTTTAAATCAC
ACCAGTGGCTTTGATGTTGTTTCTGCCCCGATTGTATTTTATAGGAATAGTGAAAACATTTAGGGACACCCAAA
GAATGATGCAGTATTAAAGGGGTGGTAGAAGCTGCTGTTTATGATAAAAGTCATCGGTGAGAAAATCAGCTTGGA
TTGGTGCCAAGTGTTTTATTGGGTAACACCCCTGGGAGTTTTAGTAGCTTGAGGCAAGGTGGAGGGGCAAGAAGTC
CTTGGGGAAGCTGCTGGTCTGGGTGCTGCTGGCCTCCAAGCTGGCAGTGGGAAGGGCTAGTGAGACCACACAGGG
GTAGCCCCAGCAGCAGCACCCCTGCAAGCCAGCCTGGCCAGCTGCTCAGACCAGCTTGACAGAGCCGACGCCGTGT
GGGCAGGGGGTGTGGCAGGAGCTCCAGCACTGGAGACCCACGGACTCAACCCAGTTACCTCACATGGGGCCTTT
TCTGAGCAAGGTCTCGAAAGCGCAGGCCGCCCTGGCTGAGCAGCACCGCCCTTTCCAGCTGCACTCGCCCTGTG
GACAGCCCCGACACACCACTTTCTGAGGCTGTGCTCACTCAGATTGTCCGTTTGCTATGCCGAATGCAGCCAA
AATTCCTTTTTACAATTTGTGATGCCTTACCGATTGATCTTAATCCTGTATTTAAAGTTTTCTAACACTGCCTT
ATACTGTGTTTCTCTTTTTGGGGGAGCTTAACTGCTTGTTGCTCCCTGTCGTCTGCACCATAGTAAATGCCACAA
GGGTAGTCGAACACCTCTCTGGCCCCTAGACCTATCTGGGGACAGGCTGGCTCAGCCTGTCTCCAGGGCTGCTGC
GGCCAGCCCCGAGCCTGCCTCCCTCTTGGCCTCTCATCCATTGGCTCTGCAGGGCAGGGGTGAGGCAGGTTTCT
GCTCATAAGTGCTTTTGGAAGTCACCTACCTTTTTAAACACAGCCGAACCTAGTCCCAACGCGTTTGCAAATATTCC
CCTGGTAGCCTACTTCCCTACCCCCGAATATTGGTAAGATCGAGCAATGGCTTCAGGACATGGGTTCTCTCTCC
TGTGATCATTCAGTGCTCACTGCATGAAGACTGGCTTGCTCAGTGTTTCAACCTCACCAGGGCTGTCTCTTGG
TCCACACCTCGCTCCCTGTTAGTGCCGTATGACAGCCCCCATCAAATGACCTTGCCCAAGTCACGTTTTCTCTGT
GGTCAAGGTTGGTTGGCTGATTGGTGAAAGTAGGGTGGACCAAGGAGGCCACGTGAGCAGTCAGCACCAGTTC
TGCACCAGCAGCGCCTCCGTCTAGTGGGTGTTTCTGTTTCTCCTGGCCCTGGGTGGGCTAGGGCCTGATTGGGG
AAGATGCCTTTGCAGGGAGGGGAGGATAAGTGGGATCTACCAATTGATTCTGGCAAAACAATTTCTAAGATTTTT
TTGCTTTATGTGGGAAACAGATCTAAATCTCATTTTATGCTGTATTTTATATCTTAGTTGTGTTTGAACAGTTT
TGATTTTTGGAAACACATCAAAATAAATAATGGCGTTTGTGTAAAAA

3068/6881
FIGURE 2829

MGQNDLMGTAEDFADQFLRVTKQYLPHVARLCLISTFLEDGIRMWFQWSEQRDYIDTTWNCGYLLASSFVFLNLL
GQLTGCVLVLSRNFVQYACFGLFGIIALQTIAYSILWDLKFLMRNLALGGGLLLLLLAESRSEGKSMFAGVPTMRE
SSPKQYMQLGGRVLLVLMFMTLLHFDASFFSIVQNIVGTALMILVAIGFKTKLAALTLLVVWLFAINVYFNFWTI
PVYKPMHDFLKYDFFQTMSVIGGLLLVVALGPGGVSMDEKKKEW

3069/6881
FIGURE 2830

ACCCAGCCATGCCCGCCCTCAGTCGCTGGGCCAGCCTGCCCGGCCCCAGCATGCGGGAGGCAGCCTTCATGTAC
AGCACAGCAGTGGCCATCTTCCTGGTCATCCTGGTGGCCGCACTGCAGGGCTCGGCTCCCCGTGAGAGCCCCCTC
CCCTATCACATCCCCCTGGACCCGGAGGGGTCCCTGGAGCTCTCATGGAATGTCAGCTACACCCAGGAGGCCATC
CATTTCCAGCTCCTGGTGCAGGAGGCTCAAGGCTGGCGTCTGTTTGGGATGTCCGACCGTGGCGAGCTTGAGAAC
GCAGATCTCGTGGTGCTCTGGACCGATGGGGACACTGCCTATTTTGGGACGCCTGGAGTGACCAGAAGGGGCAG
ATCCACCTGGATCCCCAGCAGGACTACCAGCTGCTGCAGGTGCAGAGGACCCAGAAGGCCTGACCCTGCTTTTC
AAGAGGCCCTTTGGCACCTGCGACCCCAAGGATTACCTCATTGAGGACGGCACTGTCCACTTGGTCTACGGGATC
CTGGAGGAGCCGTTCCGGTCACTGGAGGCCATCAACGGCTCGGGCCTGCAGATGGGGCTGCAGAGGTGCAGCTC
CTGAAGCCCAATATCCCCGAACCGGAGTTGCCCTCAGACGCGTGCACCATGGAGGTCCAAGCTCCCAATATCCAG
ATCCCCAGCCAGGAGACCACGTACTGGTGCTACATTAAGGAGCTTCCAAAGGGCTTCTCTCGGCACCACATTATC
AAGTACGAGCCCATCGTCACCAAGGCAATGAGGCCCTTGTCACCACATGGAAGTCTTCCAGTGCGCCCCCGAG
ATGGACAGCGTCCCCCACTTCAGCGGGCCCTGCGACTCCAAGATGAAACCCGACCGCTCAACTACTGCCGCCAC
GTGCTGGCCGCTGGGCCCTGGGTGCCAAGGCATTTTACTACCCAGAGGAAGCCGGCCTTGCCCTCGGGGGTCCA
GGGTCTCCAGATATCTCCGCTGGAAGTTCCTACCACAACCCACTGGTGATAGAAGGACGAAACGACTCCTCA
GGCATCCGCTTGTTACTACACAGCCAAGCTGCGGCGCTTCAACGCGGGGATCATGGAGCTGGGACTGGTGTACACG
CCAGTGATGGCCATTCCACCACGGGAGACCGCCTTCATCCTCACTGGCTACTGCACGGACAAGTGACCCAGCTG
GCACTGCCTCCCTCCGGGATCCACATCTTCGCTCTCAGCTCCACACACACCTGACTGGGAGAAAGGTGGTCACA
GTGCTGGTCCGGGACGGCCGGGAGTGGGAGATCGTGAACCAGGACAATCACTACAGCCCTCACTTCCAGGAGATC
CGCATGTTGAAGAAGGTGCTGTCGGTCCATCCGGGAGATGTGCTCATCCTCCTGCACGTACAACACGGAAGAC
CGGGAGCTGGCCACAGTGGGGGGCTTCGGGATCCTGGAGGAGATGTGTGTCAACTACGTGCACTACTACCCCCAG
ACGCAGCTGGAGCTCTGCAAGAGCGCTGTGGACGCCGGCTTCCTGCAGAAGTACTTCCACCTCATCAACAGGTTT
AACAACGAGGATGTCTGCACCTGCCCTCAGGCGTCCGTGTCTCAGCAGTTACCTCTGTTCCCTGGAACCTCTTC
AACC GCGACGTACTGAAGGCCCTGTACAGCTTCGCGCCCATCTCCATGCACTGCAACAAGTCCTCAGCCGTCCGC
TTCCAGGGTGAATGGAACCTGCAGCCCCCTGCCCAAGGTCATCTCCACACTGGAAGAGCCCAACCCACAGTGCCCC
ACCAGCCAGGGCCGAAGCCCTGCTGGCCCCACCGTTGTGTCAGCATTGGTGGGGGCAAAGGCTAGAGGGGGGACCTAC
TCCTCCCCCTCCTCCATGCTGTCCCTGTGGGCTCACACCGGCACTGTGCACTCTACTCTGCGACGATCCCCATGG
AACAGCCCTGCACGCCCAGGATGAAGGGGCCAGACCACGCCCCTGCCTGAGACCACGGTCCAATCCAGCCTTCTT
CCCCAGGGTCCCCTGCATGGCTGAGAGGGTGTGGGTGCCCTGTTGACCTACCCTGGACCGAGTGGACCACGACC
TCGTCCATTTAAACCCGGCTGACTCAGTGCAGGGACAGCCTGCACAGTGGTCCAGGGTCCAGCCCTCCGCCAGCC
CTGTTCCGCCTCACTGGGTGTGGCCTGGCTTCTGGGACAGGCACCATGCTGGGCCGGGGTGTGGAATCACCGGGA
ACGCCCCCGCCCCGCCCCGCTGCTCCCGGTGTGCAGCGGGTGCGGGTGCCGCTTAAACATTTCCCTGCTGAGTG
GCTCGTGTTCACAGTGGGCGGCTTCCCTGCGACGGAGGCAGGACCAGGCATTTAGCTAGTTAGAGACTCGCCTG
GGAAATTGCTCCATTCTGAGTAAACAGATATTTTCGCCACCTAAAGGGAAGCCCTGACAACAATATACCAA
AAGACGAGGCGGCAAAGATCCAGCGGGCTTCTGGGCGCCGGTCCACGTGGGGTGAATTATTAGCACCAGCTT
GCTTCTCTGCCGTTGGGGCCAGCGCTGAACAGACCGGGGTGGAGTCAGGGCTGTGCTTTCCGCGTGGTTCTGCCA
CTTAGGGAGTGTGCCTTGGGCGGGCCATTTACATTCTGACCCTCACTTTTCTCATCTGTAAAACCAGGCTGAT
GCCGTGCGGGCTAATGAGCCAATAAAGCTCACACTTGGGCTGGCACCCACTGGAGGTGGG

3070/6881
FIGURE 2831

MREAAFMYSTAVAIFLVILVAALQGSAPRESPLPYHIPLDPEGSLELSWNVSYTQEAIHFQLLVRRRLKAGVLFGM
SDRGELENADLVVLWTDGDTAYFADAWSDQKGQIHLDPQQDYQLLQVQRTPEGLTLLFKRPFGTCDPKDYLIEDG
TVHLVYGILEEPFRSLEAINGSGLQMGLQRVQLLKPNIPPELPSDACTMEVQAPNIQIPSQETTYWCYIKELPK
GFSRHHIIKYEPIVTKGNEALVHHMEVFQCAPEMDSVPHFSGPCDSKMKPDRLNYCRHVLAAWALGAKAFYYPEE
AGLAFGGPGSSRYLRLEVHYHNPLVIEGRNDSSGIRLYYTAKLRRFNAGIMELGLVYTPVMAIPPRETAFILTGY
CTDKCTQLALPPSGIHIFASQLHHTLTGRKVVTVLVRDGREWEIVNQDNHYSFHFQEIRMLKKVSVHPGDVLIT
SCTYNTEDERELATVGGFGILEEMCVNYVHYYPQTQLELCKSAVDAGFLQKYFHLINRFNNEVDCTCPQASVSQQF
TSVPWNSFNRDVLKALYSFAPISMHCNKSSAVRFQGEWNLQPLPKVISTLEEPTPQCPTSQGRSPAGPTVVSIGG
GKG

3071/6881
FIGURE 2832A

GATTTCTCCACCCAGGTGAACTCCTCCCTCACCTCCCCGACGGGGCGAGGCTCCATGGCTGCCCCCTCGCTGCAC
CCGTCCCTGGGGCCTGGCATCGGCTCCCCGGGACAGCTGCATTCTCCCATCAGCACCCCTGAGCTCCCCCATCAAC
GGCATGGGCCCCGCTTTCTCGGTATCAGCTCCCCCATGGGCCCCCACTCCATGTCGGTGCCACCACACCCACC
CTGGGCTTCAGCACTGGCAGCCCCAGCTCAGCTCACCTATGAACCCCGTCAGCAGCAGCGAGGACATCAAGCCC
CCCCTGGGCCTCAATGGCGTCCTCAAGGTCGCCGCCACCCCTCAGGAAACATGGCTTCCTTCACCAAGCACATC
TGCGCCATCTGCGGGGACCGCTCCTCAGGCAAGCACTATGGAGTGTACAGCTGCGAGGGGTGCAAGGGCTTCTTC
AAGCGGACGGTGCGCAAGGACCTGACCTACACCTGCCGCGACAACAAGGACTGCCTGATTGACAAGCGGCAGCGG
AACCGGTGCCAGTACTGCCGCTACCAGAAGTGCTGGCCATGGGCATGAAGCGGGAAGCCGTGCAGGAGGAGCGG
CAGCGTGGAAGGACCGGAACGAGAATGAGGTGGAGTCGACCAGCAGCGCCAACGAGGACATGCCGGTGGAGAGG
ATCCTGGAGGCTGAGCTGGCCGTGGAGCCCAAGACCGAGACCTACGTGGAGGCAAACATGGGGCTGAACCCAGC
TCGCCGAACGACCCTGTCACCAACATTTGCCAAGCAGCCGACAAACAGCTTTTCACCCCTGGTGGAGTGGGCCAAG
CGGATCCACACTTCTCAGAGCTGCCCCGTGGACGACCAGGTATCCTGCTGCGGGCAGGCTGGAATGAGCTGCTC
ATCGCCTCCTTCTCCACCGCTCCATCGCCGTGAAGGACGGGATCCTCCTGGCCACCGGGCTGCACGTCCACCGG
AACAGCGCCACAGCGCAGGGGTGGGCGCCATCTTTGACAGGGTGTGACGGAGCTTGTGTCCAAGATGCGGGAC
ATGCAGATGGACAAGACGAGCTGGGCTGCCTGCGCGCCATCGTCTCTTTAACCCCTGACTCCAAGGGGCTCTCG
AACCCGGCCGAGGTGGAGGCGCTGAGGGAGAAGGTCTATGCGTCCTTGGAGGCCTACTGCAAGCACAAAGTACCCA
GAGCAGCCGGGAAGGTTGCTAAGCTCTTGCTCCGCTGCCGCTCTGCGCTCCATCGGGCTCAAATGCCTGGAA
CATCTCTTCTTCTCAAGCTCATCGGGGACACACCCATTGACACCTTCTTATGGAGATGCTGGAGGCGCCGCAC
CAAATGACTTAGGCCTGCGGGCCCATCTTTGTGCCACCCGTTCTGGCCACCCCTGCCCTGGACGCCAGCTGTTCT
TCTCAGCCTGAGCCCTGTCCCTGCCCTTCTCTGCCTGGCCTGTTTGGACTTTGGGGCACAGCCTGTCACTGCTCT
GCCTAAGAGATGTGTTGTACCCCTCCTTATTTCTGTTACTACTTGTCTGTGGCCAGGGCAGTGGCTTTCCTGAG
GCAGCAGCCTTCGTGGCAAGAACTAGCGTGAGCCAGCCAGGCGCCTCCCCACCGGCTCTCAGGACACCCCTGCC
ACACCCACGGGGCTTGGGCGACTACAGGCTTTCGGGGCCCCAGCCCTGGAGCTGCAGGAGTTGGGAACGGGGCT
TTTGTTCGCTTGTGTTTATCGATGCTGGTTTTTCAGAATTCCTGTGTGGCCCTCCTGTCTGGAGTGACATCTTC
ATCTGCTCTGAATACTGGTGCCAGCCAGCCCGTGACAGCTTCCCCCTAATCAGGAGGGGACAGCTGGGGGCGCA
AGCTGGTGTGTATCAGCAAAGACCTCAGCCGCTCGGGGATGAGAGGGGACTCGTGGGGCAAGCAAGCTGCCCT
GTGCTCTGAGTGAGGGGGAAGGTAGCCCCTTTTTCCAAAGATAACTCACAGTTTTGCCCTCGAGCCAATGAGAAC
ATGAGCTGCCCTCTGTGCAAGGTTTCGGGGCCACCTCCAGGCTGCAGGGGCGGGTCACTACCCCCCTGTTTTCT
CTCTGCCTTGGTGTCTGGTTTCAGACTCCCGACTCCCCGTTTCAGACCAGAGTGCCCCGGCCCCCTCCCCAGCCTG
AGTCTTCTCCTTGCTCTGCGGGGTGGGCTGAGGCTTGTCTTGTTCCTGCAGGGCTGGCCCTGGCTCGGGCAGG
GTGGGGCATCACACCTCACTGGCCTTGCTGGAGGCACAGGGCTCTGCGGACCTGCAGCCATCTGTGAGGCCCGC
GGGGATGGGAGGGGAGGAGGGTGGCCTGTTGGTTTCCCTCAGAGGGGCGAGGTGGCCTGGAGAGAGAGGGGCTCA
GGAATGGGAGCCTCGTGGGTGGGGCAGATGCTCCGCGGCTGGAGTGGCTCTGCCGGGGCATTGGTGGGACCCC
TGCTCAGGCCTTCTCTTGCTGCCAGTTGTGTCTAAAAGACTCTTGGAATCTGAGAACCCGGAGTCGCAGCGCC
CTCGGGCCTGGGCCACACGCAGGCCCTGGTGGGACCACCCAGCCTGGTATTGTCCACGGACAGCGTTGTTACCCC
AGAGCCTTACTTGGGAGCCTCACTGAACGCCCTGCTCTGGTTGAAGGTGGGGTGGGGGCGGGGCTTGGGGCCTCCC
TGGCTCAGCCCAGTGCGGCCTGGCGCTCCTCCCGCAGGCTCTGCCCCGGGCTCCGGTGGTGCGGGGCCCTCTCA
GGTTGAACCTCGCCTCTTTTGCACTGGAAGGCCCTCCCTTTGGCCTGAGTACTTTTCCCGTTACGCCTCAGTCCC
GTGGACCCAGCCTTTGTCACTGGCAGGTGCCCTGAACAGAGGGTGGATGGGGGGGATAACCGGAGGGGGTCTTGTCT
TCCCAGCCGAGTCTAGGAATGATGCGGGGGGGTGGACGCCTTCTCCATAGTCTTTCCCCACCTGGAGCAGGGGC
TTCTCAGTGGTGAGGGGAGCTGCCTACAGGTTGGACGGGAGGCAGTGGCTTGGAGAGGCAGCTTTCCAGCCTT
GGTGGGGAAGAAAGTGTCCATTCTTTGCCCTTCTGGAGCTCCAGCCAGAGCTGAGCTTAGGCACCCGAGTGGAG
CCTGCAGCTGAGTCTGTGCCCAGACAGGCTGTGAGAGATTCCAGAAGCCTCTCCTCCCCGCCGCCCTCCACCCC
TGCCCTTTCAGCGTTGTGGATCCCTAGAGGTGGCCCCCTGCCCGATCCACCGTCTTGAGGCAGAGTGTGAGCCTC
ATACCTGTACCAGGTCCCCGGCCAGCTGGGCCCCCTCCAGGCACTGCCAGGAAGCCCCAGCTGCCCTTGGCGGGT
GTGGTGGAAATGGCAGGAGGGTGCAGGTAATCTTGGGGCCCCAGCGGTGGGAGTGCAAAAGACCCAACGCCAACA
CCTGGTGCCTTCTGCAGCCAGCGCCACCCATCCGTGCCCGGACCCTTGGGAATGCCCGCGGCTCCAGAGGAAAA
AGCCCAGGGACGGGGCCTCCGTTGCGGGGGGTGCGCTGCTTCTTGGGAATTTGTGCTTTCCGGCGCTGGCTGGC

3072/6881
FIGURE 2832B

TGGCTGGCTGGCTGTAAAGCACTGAAGCCCCCGGCCGCCAACCCCTGAAAGCAGAACCTGGCCTCCCTGGCCAC
AGCAGCCTTACCCACCGCTCTACGTGTCCCGGGCACTTCCCGCAGCCTTCCCGTCCCTTTCTCATCGGCCTTGTA
GTTGTACAGTGCTGTTGGTTTGAAGAGGTGATGTGTGGGGAGTGC GGCTCATCACTGAGTAGAGAGGTAGAATTT
CTATTTAACCAGACCTGTAGTAGTATTACCAATCCAGTTCAATTAAGGTGATTTTTTGTAAATTATTATTATTTTG
GTGGGACAATCTTTAATTTTCTAAAGATAGCACTAACATCAGCTCATTAGCCACCTGTGCCTGTCCCGCCTTG
CCCGGCTGGATGAAGCGGCTTCCCGCAGGGCCCCCACTTCCCGAGTGGCTGCTTCCCTGGGGACCCAGGGCACCCC
GGCACCTTCAGGCACGCTCCTCAGCTGGTCACCTCCCGGCTTTGCCGTTTCCAGATGGGGCTCCTGAGGCTCAGGAG
TGAAGATGCCACAGAGCCGGGCTCCCGTAGGCTGCGTGGGGCATGCTTGGAAGCTGGCCTGCCAGGACCTTCCAC
CCTGGGGCCTGTGTAGCCGCCGGCCCTCCGCACCTGGAAGCACACGGCCTCTGGGAAGGACAGCCCTGACCTT
CGGTTTTCCGAGCACGGTGTTTCCCAAGAATTCTGGGCTGGCGGCCTGGTGGCAGTGCTGGAGATGACCCCGAGC
CCCTCCCGCTGGGGCACCCAGGAGGGCCCTGCCGGAATGTGCAGCCTGTGGGTAGTCGGCTGGTGTCCCTGTCTGT
GGAGCTGGGGTGCCTGATCTGGTGCTCGTCCACGCAGGTGTGTGGTGTAACATGTATGTGCTGTACAGAGAGAC
GCGTGTGGAGAGAGCCGCACACCAGCGCCACCCAGGAAAGGCGGAGCGGTTACCAGTGTTTTGTGTTTATTTT
ATCAAGACGTTTTCCCTGTTTTCTATAAATTTGCTTCGTGTAAGCAAGTACATAAGGACCCCTCCTTTGGTGAAA
TCCGGGTTTGAATGAATATCTCAAGGCAGGAGATGCATCTATTTTAAGATGCTTTGGAGCAGACAGCTTTAGCCG
TTCCAATCCTTAGCAATGCCTTAGCTGGGACGCATAGCTAATACTTTAGAGAGGATGACAGATCCATAAAGAGA
GTAAAGATAAGAGAAAATGTCTAAAGCATCTGGAAAGGTAAAAAATCTATTTTTGTACAAATGTAATTT
TATCCCTCATGTATACTTGGATATGGCGGGGGAGGGCTGGGACTGTTTCGTTTCTGCTTCTAGAGATTGAGGTG
AAAGCTTCGTCCGAGAAACGCCAGGACAGACGATGGCAGAGGAGAGGGCTCCTGTGACGGCGGCGAGGCTTGGGA
GGAAACCGCCGAATGGGGGTGTCTTCCCTCGGGGCAGGAGGGTGGGCCTGAGGCTTTCAGGGTTTTCTTCCCT
TTCGAGTAATTTTTAAAGCCTTGCTCTGTTGTGTCTGTTGCCGGCTCTGGCCTTCCCTGTGACTGACTGTGAAGT
GGCTTCTCCGTACGATTGTCTCTGAAACATCGTGGCCTCAGGTGCCAGGGTTTGATGGACAGTAGCATTAGAATT
GTGGAAGGAACACGCAAGGGAGAAGTGTGAGAGGAGAAACAAAATATGAGCGTTTAAATACATCGCCATTC
AG

3073/6881
FIGURE 2833

CTGATGGAATAACAAAGACAACAGGCTTTTGCGCCACGCGGCGATCTTCCAAAGGCCCGGATGTCGCTTACAGAG
TCACCAAAGACGCGCAGCTCAGCGCACCCACCATGCCTCCAGCCCCCAGCTCGCCCCGACCCATCCTGTTTCGTGA
ATAGGTCTCAGGGGTTGGGGGAGGGACTGCCAGATTTGGACACTATATTTTTTTCTAAATTCAACTTGAAGATGT
GTATTTCCCCTGACCTTCAAAAAATGTTCCAAGGTAAGCCTCGTAAAGGTCAATCCACCATCACCAAAGCCTCCG
TTTTTAACAACCTCCAACACGATCCATTTAGAGGCCAAATGTCATTCTGCAGGTGCCTTCCCGATGGATTAAAGG
TGCTTATGTTTTTGTGAGTTTTAAGTAAATATTTGTATTGTATTGTTATAAATGTTAAGTGTGCCTGGCTTTCAA
TCATGCACGGAAACCCAGTCTCAGTCCCACGGACAGAATGGGCGAGGCATGGATTCTGGGTTCAGTACCGTTCT
GATTAGAAATAGGAAGTCTCCCCACCCCGCCCTGGCCAAGAACGTGCAATAAATTGGAAGTTTGGCCCGGGGCA
GCAAGAATTTATGCTGCCATTGAAAAGCAGGTACCAGTGCCCCCTTTTCAGACAGTTTTTGATTGCTCTAGACTT
TTTTTTTTTTTTAATAGGGAAAAAATTTGATAATTTTCTTTTTTCTACATGCACCTTAAGACTAAAACACAGGTTTG
GATTAATTTTATTTGCTTCCTTTTTCCGCTTTTCTTCCCGCAGAGCCTGATGGGAGAATGTCCAGGGCAGGGAAA
CCACATTTTTTGTAGGTGATAACTCAATGAAAATTGGTGCTTATTTTTTACACTTCTCTCTTGTGGCTCTCTTGT
GGTGCTATCTATCTGTTTTAAGGTCTCCTTGAAGGCGCACTGGGGACCCTGGCCATGCCTCGTTCTCCCTGCTTT
CTTTATCCTGTTATTGCTCCACAGTCTGTTGCCAAGGACTCTAAGATCAATGCACGTCACTTTCTTTCCACTG
GGCAGGATAGCCAAGCACACTCCCTCCTGCGCTCTCCCGCCCCGGTGCGTCCACTCCCGAGGGCTGTTATGAGGA
CTGGGTTGTGCCTACTTGATTTGAAAACACACACAAGCAATAAAAAGCCTCTTCCTGCATTGTCTGTGGTGTGAC
CATAGCAGATTATATTTGGTTCTGAATGTTTGTGGTGCTAATTTCTGTGTTTGTTCAGCCGTTTCAGTCATGC
CATGCGCTGCCTCGGTAGATGGAGTAATGTACAATGAATCCATGAGTCTCTCCAGGGCTGCCTGCAGCACGTCT
TTTCCAAGTAGCCTATTTGGATTCCCATCTCAAATGTCTGGATGCGAGCGTCAGCGGCTCCAGAGCTCGGGGCG
GGTGAGGTCCCCTTTGGGGAACCCCTTTCTGGCCATCGAGGTGCGGGGGCTGCCGTCTGTGGGCAGGAGGACCCG
AGGGGCAGCCAGGAAAGGCGATCTCTTCACTGTGAAAAGTTGCCCGGGTGCAGCGCCTTTTCTTCTACCATGGG
AAATGCAGGCTGGGCCCTTGGGGTGAGCCTGCGGGGCTCTGGTGCTGTCCCCGACCCCCACCACCAGAAATGC
AGTTCCAGCTTAGGAAGCCACAAACAAGCCACCCAGGAGGAACAAAACACCGCCAGCGTGGATTTTCCAAATTC
CCTGGAAAGTAAGTCTCGCTCTTGCCAAAGAAAAGTCTGGCTTGGAGAGTCTCTGGAGCCAGGATGCCAGCATG
TGCCAATGACTGTCACCTTCATCTCTTCAAAAAGAAAAGCCATAGCCGAGGACTGTCCCGCGACCCCCGTGGACTG
CGTCTAGGTCATGTGATTCTGTTTTTCAATTTCTCATCCCATCCAATTTGTCCTTTTCTCCTGTCAATTTCTTCTC
TGTGGTCCCTTCAAAGTTGTTATAATTTGTACTGAACTTCAAAATGTGTCCCGTTCTCCCCAGACCACTCTAGCC
ACAGTATATTGCAATAAAATTACTTCTTATATTTGCAGAAATTCTTTTGGTGTAATTTTATTTTTTCTCTCAAT
ATATATAATTGGACAAACGCTGGCAAAAAGAAAAAATGGTAAGCAAAAACCCAAGATAAAGTTTCGAGGACAT
CAGGCCTTTTGAATACAATGTCAAATGACACATTGTACGGTTTCAAAAATCCGCTAGACATGTCATAAGTTTT
AACTGTAATGCCAGGAAAGGATATCTTAAATATTCTAAACTTGTGTAACAAAGGAATAATTAAGTGAATAGT
TTTTCAATAAATCGAGTTGGGTGTTTCCACCGT

3074/6881
FIGURE 2834

CAGGGAGTTGAGAACTGTGGCACAAGGCGAGAGCTGGTTTCCTCTGCCCTGTTAGAGCTGGGGGACTCTTCAGA
GTCAAAGGCCAGAGAGCAATGGAGCTGAGTGGAGCCACCATGGCCCGGGGGCTCGCTGTCCTGCTAGTCTTGTTCC
TGCATATCAAGAACCTGCCTGCCCAGGCTGCGGACACATGTCCAGAGGTGAAGGTGGTGGGCTGGAGGGCTCTG
ACAAGCTCACCATTCTCCGAGGCTGCCCGGGGCTGCCCGGGGCCCCAGGGCCAAAGGGAGAGGCAGGTGTCATTG
GAGAGAGAGGAGAACGCGGTCTCCCTGGAGCCCCTGGAAAGGCAGGACCAGTGGGGCCCCAAAGGAGACCGAGGAG
AGAAGGGGATGCGTGGAGAGAAAGGAGACGCTGGGCAGTCTCAGTCGTGTGCGACAGGCCACGCAACTGCAAGG
ACCTGCTAGACCGGGGGTATTTCTGAGCGGCTGGCACACCATCTACCTGCCCGACTGCCGGCCCCCTGACTGTGC
TCTGTGACATGGACACGGACGGAGGGGGCTGGACCGTTTTCCAGCGGAGGATGGATGGCTCTGTGGACTTCTATC
GGGACTGGGCCGCATACAAGCAGGGCTTCGGCAGTCAGCTGGGGGAGTTCTGGCTGGGGAACGACAACATCCACG
CCCTGACTGCCCAGGGAAGCAGCGAGCTCCGTGTAGACCTGGTGGACTTTGAGGGCAACCACCAGTTTGCTAAGT
ACAAATCATTCAAGGTGGCTGACGAGGCAGAGAAGTACAAGCTGGTACTGGGAGCCTTTGTGGGGGCAGTGCGG
GTAATTCTCTAACGGGCCACAACAACAATTCTTCTCCACCAAGACCAAGACAATGATGTGAGTTCTTCGAATT
GTGCTGAGAAGTTCCAGGGAGCCTGGTGGTACGCCGACTGTCATGCTTCAAACCTCAATGGTCTCTACCTCATGG
GACCCCATGAGAGCTATGCCAATGGTATCAACTGGAGTGCGGCGAAGGGGTACAAATATAGCTACAAGGTGTCAG
AGATGAAGGTGCGGCCCGCCTAGACGGGCCAGGACCCCTCCACATGCACCTGCTAGTGGGGAGGCCACACCCACA
AGCGCTGCGTCGTGGAAGTCACCCATTTCCCCAGCCAGACACACTCCCATGACGCCACAGCTGCCCCCTTTGCC
CCCAGCTCAGTCAAGCCGCCACATGCCACAACCTCACCAGAGGGAGAATTATGTTTCTAAATATGTTTACTTTG
GGACAGAAAAAAAAAAAA

3075/6881
FIGURE 2835

MELSGATMARGLAVLLVFLHIKNLPAQAADTCPEVKVVGLEGSCLKLTLRGCPGLPGAPGPKGEAGVIGERGER
GLPGAPGKAGPVGPKGDRGEKGMERGEKGDAGQSQSCATGPRNCKDLLDRGYFLSGWHTIYLPDCRPLTVLCDMDT
DGGGWTVFQRRMDGSVDFYRDWAAYKQGFGSQLGEFWLGNDNIHALTAQGSSELRVLDLDFEGNHQFAKYKSFKV
ADEAEKYKLVLGAFVGGSSAGNSLTGHNNNFFSTKDQDNDVSSSNCAEKFQGAWWYADCHASNLNGLYLMGPHESEY
ANGINWSAAKGYKYSYKVSEMKVRPA

3076/6881
FIGURE 2836

GCGCGGGGGAGCCATTAGGAGGCGAGGAGAGAGGAGGGCGCAGCTCCCGCCCAGCCCAGCCCTGCCAGCCCTGC
CCGGAGGCAGACGCGCCGGAACCGGGACGCGATAAATATGCAGAGCGGAGGCTTCGCGCAGCAGAGCCCGCGCGC
CGCCCGCTCCGGGTGCTGAATCCAGGCGTGGGGACACGAGCCAGGCGCCGCGCCGGAGCCAGCGGAGCCGGGGC
CAGAGCCGGAGCGCGTCCGCGTCCACGCAGCCGCGCGCCGGCCAGCACCCAGGGCCCTGCATGCCAGGTCGTTGG
AGGTGGCAGCGAGACATGCACCCGGCCCCGGAAGCTCCTCAGCCTCCTCTTCTCATCCTGATGGGCACTGAACTC
ACTCAAAATAAAAAGAGAAAACAAAGCAGAGAAGATGGGAGGGCCAGAGAGCGAGAGGAAGACCACAGGAGAGAAG
ACACTGAACGAGCTTCCCTTGTTTTGCCTGGAAGCCACGCTGGCTCCCTGGCTCTGCCCAGGATGTGCAGTCCA
AATCCCAATCCAGCAGTGGGGTTATGTCGTCCCGCTTACCCTCAGAGCCCTTCTCCTGGTGCTGCCAGACGATC
AGCCAGTCCCTCCTGGAGAGGTTCTGCATGGCCTCTAGGAGAGAAGTTTTCTTGCCCCAGGAAGGCCTGGTGGA
GGGTGGTGGTTGTGCACTGTTGCTGGACAGATGCATTCAATCATGTGCACACACACACACACATGCACACACA
GGGAGCAGATACCTGCAGAGAAGAGCCAACCAGGTCCTGATTTAGTGGCAAGCTGCCCCACAAAGGGCTATGCCT
GTGTCTTATTGAGACACCTTGGCAAAGAGATGGCTGATTCTGGGTGGTCTGGACATGGCCGCACCCAAGGGCCC
TCCAAGCCTTAATGGCACCTGAAGCCTCCATGCCAGGCCAAAAGATGCTTTTCTCCTAAACCTTAAAAA
AAAAA

3077/6881
FIGURE 2837

MPGRWRWQ~~Q~~RD~~M~~HPARKLLSLLFLILMGTELTQNKRENKAEKMGGPESEKTTGEKTLNELPLFCLEAHAGSLALP
RMCSPNPNPAVGLCRPAYPQSPSPGAAQTISQSLLERFCMASRREVFLAPGRPGGGWWLCTVAGQMHSFMCTH
THAHTGEQIPA~~E~~KSQPGPD

3078/6881
FIGURE 2838

TGGTTACTGAGATGGTGAAAACCAGGGGAGACCTGGGGGACATCACAAGCTTGGTTCCTACCAGGTTTATGGAGC
CGTACATCTTTGGGAGCCGCCTGGACCACGACATCATCGACCTGGAACAGACAGCCACGCACCTCCAGCTGGCCT
TGAAC TTCACCGCCACATGGCCTACCGCAAGGGCATCATCTTGTTTATAAGCCGCAACCGGCAGTTCTCGTACC
TGATTGAGAACATGGCCCGTGACTGTGGCGAGTACGCCCACACTCGCTACTTCAGGGGCGGCATGCTGACCAACG
CGCGCTCCTCTTTGGCCCCACGGTCCGCCTGCCGGACCTCATCATCTTCCTGCACACGCTCAACAACATCTTTG
AGCCACACGTGGCCGTGAGAGACGCAGCCAAGATGAACATCCCCACAGTGGGCATCGTGGACACCAACTGCAACC
CCTGCCTCATCACCTACCCTGTACCCGGCAATGACGACTCTCCGCTGGCTGTGCACCTCTACTGCAGGCTCTTCC
AGACGGCCATCACCCGGGCCAAGGAGAAGCGGCAGCAGGTTGAGGCTCTCTATCGCCTGCAGGGCCAGAAGGAGC
CCGGGGACCAGGGGCCAGCCACCCTCCTGGGGCTGACATGAGCCATTCCCTGTGATGTTCACTCTCCTCCCAA
GCAAACCACAGCCAGCTGGGTTGGTGGGACAGCCAGGCCAGATGACCTGATTCCAGCAAAAATAAACTCAGATT
TGGGCAAAATG

3079/6881
FIGURE 2839

CTGGTCCAGGCACAGCCTTGCCACAGTCCAGAGAAGGCCACCTCTAATGGGGCCTGCAGGCATTGTGGCCACAGG
AGGAAAGGGCCGGGGGGCCCTCTCCCCACTCCTGGGGCAGCTCCCTTGCCCTTCCCCAGCCTCAGGCACTCTCA
TCATCTCCGTTGGCCTCTTCTGGGGGCTCTTGGGGTTTCATCTCCAGGGTGAAAACTTGGAGGGCCCCCTCCTGGC
AGAGTCAAGGATGGGGTCAGCGAGACCCCATCCCCCTCAGCCCTCAACCTTTGTTTCACCCAGAGCCCCCTCTGAAT
CCTGGGAGCTGGCTCTTTCCACTCCCCGAGGGGGCCCTCAGGCCCCACCTGGCTGTCCCAGCATGGGCCCCGCGG
CTTCTGCGCTGCACCCTTCCCGTCCCTCCCTGCTCCTCATGGTCACTAGTGCCTGCTTATCCACTGGGTTCATCCC
CTCGGCCAGGGCCCCCTCCTGCCCTGGAAGCCCAGCAAGCGCCCACTCGTAGCTCCTCAGCGGGTCCTCGCCGGCC
TGTGCCAGGTGCAGGGGCCAGTGGGAGGACAACAGGAGCCACGCAGGCCATCAGCGCAAGAGCAAACGCACATGG
CAACGTTGGTCCGCTCAGCCACTGGTTCTGTGGTGGAACGGTGGATGTCTGCACTGTGACATCAGCTGAGTACGA
GAACTGCCGGTTGCGGCTTATAAACAAGATGATGCCCTTGCGGTAGGCCATGTGGGCGGTGAAGTTCAAGGCCAG
CTGGAGGTGCGTGGCTGTCTGTTCCAGGTGCATGATGTCGTG

3080/6881
FIGURE 2840

MAPAASALHPSRPSLLLMVTSACLSTGSSPRPGPLLPWKPSKRPLVAPQRVLAGLCQVQGPVGGQQEPRRPSAQE
QTHMATLVRSATGSVVERWMSAL

3081/6881
FIGURE 2841

GGGAAGCGACGAGTCCGGGACGCCAGCGCGGGCCCGGAGCAGGGGGAAGGGAAGTGCGGCTCGGTTCGGCGCGGG
TGGAGGGGGCGTGAGGCCGCCCTACGGTGGCCGTTCGAGGGACGGCGCTACGGCTCCACGCTAGGCCAAACGCCT
CCGGCGGGCCGCGCCCCGAGAGCCCCCTTACCTGCAGGGCGACCCCCAGCCGGCGACGCGTGAACCACGCCCTCAGCC
GCCTTGCCAGCGCCCCCAGCCGCGCGCCCCAGCACCATGCGGGCCGCCCTGCGCACGGAGCCCCGAGGGACAGGGG
CACCCGACAGGCCCCGGCCCCCTAGCACCGCCGGCCGGCCCCGAGGTCCGGGACGCCGGCGCCGCCGCGGAGAGGGCA
CCGGGCCGACGCCCTCCCCCAGGGTCAGCTGCGGGCTCCCAGGCCTAGGCGCCCATGACCCCTACGCCAACAGCC
GCCTGGACACCGCCGCCGCCACTGCGACCTAGCGCCGCCGCCGCCGGGGCCCAATGCCGGTCATGCCCATTCGCG
GGCGGGTGCCTCCTTCCACGGCCCGCACACCACCTGCCTGCATGCGGCCGCGGGGCCCGTGCAGCGCTCCACC
TGGCCCGACCAAGTACAACAACCTTCGACGTGTACATCAAGACGCGCTGGCTGTACGGCTTCATCCGCTTCCTAC
TCTACTTTAGTGCAGCCTGTTCACTGCGGCGCTCTGGGGTGCCTGGCCGCCCTCTTCTGCCTACAGTACCTGG
GCGTTCGCGTCTGCTGCGCTTCCAGCGCAAGCTGTCGGTGTCTGCTGCTGCTGCTGGGGCCGCCGGCGCGTGGACT
TCCGCTTGGTGAACGAGCTGCTCGTCTATGGCATCCACGTACCATGCTGCTGGTGGGGGCCCTGGGCTGGTGTCT
TCATGGTCTTCGTGGACATGTGAGGGCCGTGGGTGCGAGCTTGATGTATCGTCCCGCCCTGTGGCTGTGTTCTCT
CCATGGGTGGGGTTCGGCCAGCGCCTTCCCTTCGCCCATCCCCAGGCAGTCGCTGCTGCCGGCGCCACCGGAGA
GAAAAGAAAGGGCTGAGACTTCTGTGATGGGGGCGCGGACACCACCCCTAGGCTGGCTTCCTGGACCCACCCCTCC
CCGTATGCACTCTCAGGGGACGCGCCACCTGCCGGTGGCTCCTGCTCACATGTCTTCGGGTGCTACTGCGGGGT
GGGCCCTCCGTTCGCTCTCTGTGGGCCTCTCTCAGGACCACAGCTGCCAGGGACTTTAGACATACCCCTGGG
AGGCCCCGACACAGAGGGCTGTGTGCCAGGAGCAATTCCGGAGGGGGGCCCTCCTGGCTGCACAGCCCCCTTC
TGCGTGCCCTGGCCCCAGCCCCAGCCAACGGGACACGGAAGGCTCCCTCGCTGACACACCACACTGCCACAAAG
CTGCTTACTCTGCCCTGGGCCGCTGAGGCCTGGCACTGCCCGCGGACCACCCCTGTGTGTGTCATCCTGAGGGGC
TGTGTGGGTCTGAGTCCCCAGCCAGCCTTCAGGGTCCCTTGGATTGTGTAGATGCACTCTAGCGGGGGGGCCGG
AGAAGGGCTCAGGTGGGAGGGGCCCTCAGCAGGCTCCAGCTCAGGGGCTGGCCTGGGGGGAACCCTGGGAGCCAG
GGGCTGACTCCAGCAACACTGGCCTGTCTGCCTGTTCTGGGAGGGCTGTGAGGATGCTTGCAGATGCTCTGGAT
TTCTGCGGAGGCACCTCCATTCCCTTTCTGGCTTTTTTTTGGGGGAGGGCTTTGGGCCTCTTTCTTTGAGGGAAC
ACCGTCAAAGAAAGCCTGGGAGATCGAGGCTTCAGTGAGCCAGGATGGAACGCGTGTCCCAAGTGTCCGGAGCA
GGCGGCAGAGGCCTCAGTGCGGCAAACACAGCCCCAGAGCCTGTGTGGCACCAGCAGCATCTTAGAGCCCCAGGT
ATATGCTGAGATCTTATCTCACGCTGTCTCCAGTGTCTGGGGGGGCCAAATGATGGCACAGGGGCAGGTGGGCT
GGAGGGGCGCAGATGCCTGTGTTTCAGGGAGGGTGGCCACCATGGGCCGAGGTCTCACCAGGACCCCTTGCTCTG
CTCCTCAGCCTTGCACTACGGCAGCACTATGGTGGACTGCCCATGGCCGTGTA~~CT~~TTGGGGGCAAGTGGGAGG
GCGCCCTGAATAATGATTGCAAGGACAACAGGCAGAGGCTACCCTAGAGCAGGACACAGGGTGTGGTACTGACAA
CCCTAGTGTACCTCAAATCCATGTCCCCACACTCTGGGCATGGGTGGGACTTGTGACCCCTACCCTGTGAGGCGG
ACCAGTGGCCCCAGGAGCCATGAGGACAGTTGTGTGCCACTGGAAGAGAACTTTTGA~~AA~~ACCCTAAATCAGGT
AGAGAAAGCAAAAAATCTCTGGCCGTAAACCGTGTCTCTAATTTATCGGCAGCTTCTGTGGATGACCTCTGATG
AGCCCGGGCTGCGTCCACGCCCTGGGCAGGTAGGCGGGAGCTTCCCTGCGTGGGCCTCATTTCTTGCTGCAGAGA
ATCTTTTGCATAAGTCATGCTGTTTCCTCAAAGAAGCTTTGTTTTTTGTTAACGTATTACTCAGAGTCACCCAA
GCCTCTTGGCTGAGGGTGAAGGTGGGACGGGAGGCGGGAGGGGGCTGGTGGTGCCGCTCGTGCGGTGTCAACGCT
GCAGGGAGTTGTGGCACCTTGGTGCCCTCTGAGCACCTGGCCGCCTGCTGTCCCCGGTGCCTGTGAAATTCGTCA
TGCCATGACCCACCTGCATTAAACCTATTTTTTTAATGTG

3082/6881
FIGURE 2842

MLWISAEAPPFLSGFFCGGGLWASFFEGTPSKKAWIEIASVSQDGNACPKCPEQAAEASVRQTQPQSLCGTSSIL
EPQVYAEILSHAVLQCLGGPNDGTGAGGLEGRRLCSGRVATMGRGLTQDPLLCSSALQSRQHYGGLPMAV

3083/6881
FIGURE 2843

CTGGGCTGGTGCTTCATGGTCTTCGTGGACATGTGAGGGCCGTGGGTGCGAGCTTGATGTATCGTCCCGGCCTGT
GGCTGTGTTCTCTCCATGGGTGGGGTCGGCCAGCGCCTTCCCTTCGCCCATCCCCAGGCAGTCGCTGCTGCCCG
GCGCCACGGAGAGAAAAGAAAGGGCTGAGACTTCTGTGATGGGGGCGCGGACACCACCCCTAGGCTGGCTTCCT
GGACCCACCCCTCCCCGTATGCACTCTCAGGGGCAGCGCCACCTGCCGGTGGCTCCTGCTCACATGTCTTCGGGT
CGTACTGCGGGGTGGGCCCTCCGTTCCGCCTCTCTGTGGGCCTCTCTCCAGGACCACAGCTGCCAGGGACTTTAG

ACATCACCCCTGGGAGGCCCCCTGGACACAGAGGGCTGTGTGCCAGGAGCAATTCCGGAGGGGGGCCCTCCTGGCT
GCACAGCCCCCTTCTGCGTGCCCTGGCCCCAGCCCCAGGTATATGCTGAGATCTTATCTCACGCTGTCCTCCAGTG
TCTGGGGGGCCCAAATGATGGCACAGGGGCAGGTGGGCTGGAGGGGCGCAGATGCCTGTGTTCAGGGAGGGTGGC
CACCATGGGCGGAGGTCTCACCAGGACCCCTTGCTCTGCTCCTCAGCCTTGCAGTCACGGCAGCACTATGGTGG
ACTGCCCATGGCCGTGTGACTTTGGGGGCAAGTGGGAGG

3084/6881
FIGURE 2844

MGGVGQRLPFAHPPGSRCCPAPTERKERAETSVMGARTPPLGWLPGPTLPVCTLRGSAHLPVAPAHMSSGRTAGW
ALRSASLWASLQDHSCQGL

3085/6881
FIGURE 2845

CTCGTGGACACCTGCCACCGGGCCATGAGGACCACCTTCCTCCACATCTCCAAGACCCCCCAGGAGAACGGGGCC
ACTGCGGGGTCTGGCGTGCAGCCGGCCCAGTAGCCCAGACCACGGCAGGGCATGACCTGGGGAGGGCAGGTGGAA
GCCGATGGCTGGAGGATGGGCAGAGGGGACTCGCGCCCACGGCACCTCTGGGAGCTGGGATGATAAAGATGAGGC
TTGCGGCTGTGGCCCGCTGGTGGGCTGAGCCACAAGGCCCCCGATGGCCCAGGAGCAGATGGGAGGACCCCGAGG
CCAGACGCACACTGTCCGAGCCCTCTGCTCAGCCGCCTGGGACCCACCAGGGTGCAGCTGGGCTCCAGGGTCCAG
CCCACAAGCTGCATCAGGCTCTCTGGGAGAGGAGGGGCCTGGAGGGCCAGGAGTCCCAGACTCACGCACCCTGGG
CCACAGGGAGCCGGGAATCGGGGCCTGCTGCTCCTGCTGGCCTGGAAGACTCTGTGGGGTCAGCACTGTACTCCG
TTGCTGTTTTTTTATAAACACACTCTTGGAAGTGGCTGGGGAGCTGTGGTCACTCACAGGGCGGGCAGGTGACCA
GGGCGGTGGAGGCGACGCTGTGTCTTCCCAGCTGCCCTGCCTAGAGGCCCAGGGTGCAGGCACCGCCACCCACCC
GTGTTCCCTATCCAGGAGTGGACCCACATCACCT

3086/6881
FIGURE 2846

CGCGGGGAGAAAGCGGGAGCGGGAGCGGGAGCGAGCTGGCGGGCGCCGTCGGGCGCCGGGCGGGGCCATGGAGCTG
TGGCCGTGTCTGGCCGCGGCGCTGCTGTTGCTGCTGCTGCTGGTGACAGCTGAGCCGCGCGGGCCGAGTTCTACGCC
AAGGTCGCCCTGTACTGCGCGCTGTGCTTCACGGTGTCCGCCGTGGCCTCGCTCGTCTGCCTGCTGCGCCACGGC
GGCCGGACGGTGGAGAACATGAGCATCATCGGCTGGTTTCGTGCGAAGCTTCAAGTACTTTTACGGGCTCCGCTTC
GAGGTGCGGGACCCGCGCAGGCTGCAGGAGGCCCGTCCCTGTGTTCATCGTCTCCAACCACCAGAGCATCCTGGAC
ATGATGGGCCTCATGGAGGTCCTTCCGGAGCGCTGCGTGACAGATCGCCAAGCGGGAGCTGCTCTTCCTGGGGCCC
GTGGGCCTCATCATGTACCTCGGGGGCGTCTTCTTCATCAACCGGCAGCGCTCTAGCACTGCCATGACAGTGATG
GCCGACCTGGGCGAGCGCATGGTCAGGGAGAACCTCAAAGTGTGGATCTATCCCGAGGGTACTCGCAACGACAAT
GGGGACCTGCTGCCTTTTAAGAAGGGCGCCTTCTACCTGGCAGTCCAGGCACAGGTGCCCATCGTCCCCGTGGTG
TACTCTTCCTTCTCCTCCTTCTACAACACCAAGAAGAAGTTCTTCACTTCAGGAACAGTCACAGTGCAGGTGCTG
GAAGCCATCCCCACCAGCGGCCTCACTGCGGCGGACGTCCCTGCGCTCGTGGACACCTGCCACCGGGCCATGAGG
ACCACCTTCCTCCACATCTCCAAGACCCCCAGGAGAACGGGGCCACTGCGGGGTCTGGCGTGACGCCGGCCAG
TAGCCAGACCACGGCAGGGCATGACCTGGGGAGGGCAGGTGGAAGCCGATGGCTGGAGGATGGGCAGAGGGGAC
TCCTCCCGGCTTCCAAATACCACTCTGTCCGGCTCCCCAGCTCTCACTCAGCCCGGGAAGCAGGAAGCCCCCTC
TGTCAGTGGCCTCAGACACAGGCCCCTGGTGTCCCTGCAGGGGGCTCAGCTGGACCTCCCCGGGCTCGAGGGC
AGGGACTCGCGCCACGGCACCTCTGGGAGCTGGGATGATAAAGATGAGGCTTGCGGCTGTGGCCCGCTGGTGGG
CTGAGCCACAAGGCCCCCGATGGCCAGGAGCAGATGGGAGGACCCGAGGCCAGACGCACACTGTCCGAGCCCT
CTGCTCAGCCGCTGGGACCCACCAGGGTGCAGCTGGGCTCCAGGGTCCAGCCCACAAGCTGCATCAGGCTCTCT
GGGAGAGGAGGGGCTGGAGGGCCAGGAGTCCCAGACTCACGCACCCTGGGCCACAGGGAGCCGGGAATCGGGC
CTGCTGCTCCTGCTGGCCTGGAAGACTCTGTGGGGTCAGCACTGTACTCCGTTGCTGTTTTTTTATAAACACACT
CTTGAAGTGG

3087/6881
FIGURE 2847A

GGGGAGAACTTCTTTGTCTGGGATTCCAACCAGCTCTGTCTTAGCTTGTCTCTGCCTAGCAGTGTTGCCCAA
AGTAATTTTCCACAAGGTTCTGGTGCTTCCGAAATGGTTTCTAATCAGCCTGCTAATTTGCTGGTTCAACCACCA
TCCCAGCCAGTTCCAGAGAAGCTTGGTTCCAGAAAGTCAAAAGGATCGTAAGGCAGGAAGTGCTCTTCCCGGATTT
GCTAATAGCCCTGCTGGAAGCACAAGTGTGGTGTTAGTTCCACCTGCACACGGCACCCCTGGTGCCTGATGGTAAT
AAGGCAAACCATTCAGTCATCAGGAAGACACTTACGGAGCCCTAGACTTTACCTTAAGCAGGACTTTGGAAAAT
CCTGTAAACGTGTACAACCCGTCCCATTTCTGACAGCCTCGCTTCTCAGCAAAGTGTTGCCAGTCATCCCAGACAA
TCTGGGCCTGGGGCGCCTAACCTTGACCGTTTTTATCAGCAGGTACGAAAAGATGCCCAGGGCCAGCCTGGCCTC
GAAAGAGCCCAGCAGGAGCTGGTGCCACCCAGCAACAGGCTTCTCCCCACAACCTACCCAAAGCCATGTTTTCG
GAGCTGTCAAATCCAGAAAGTCTGCCCCGACAGGGACAGGCCAGAACTCAGCACAGTCACCAGCAAGTCTGGTT
CTGGTCGACGCGGGTCAGCAGCTGCCCCCTCGGCCTCCTCAGTCCTCTAGCGTGTCTCTGGTGTCCAGTGGCTCC
GGCCAGGCAGCTGTGCCGTGACAGCAGCCGTGGCCACAGCCAGTGCCTGCACTTGCCCCCGGCCACCGCCTCAG
GACCTGGCCGCCTACTACTACTACCGGCCTTTGTACGATGCCTACCAGCCTCAGTACTCTTTGCCGTACCCACCG
GAGCCTGGCGCAGCCTCCCTCTATTACCAGGATGTCTACAGCCTCTATGAGCCTCGATACAGGCCCTATGATGGT
GCTGCGTCTGCTTACGCCCAGAACTACCGCTATCCCAGCCCCAGCGGCCAGCTCCCGAGCCAGCCACTCCTCG
GAACGGCCACCTCCCAGGCAAGGATATCCTGAAGGATACTATAGTTCCAAAAGTGATGGAGCAGTCAGAGCGAT
TACTATGCAAGCTATTACTCCAGCCAGTACGATTATGGAGATCCAGGTCACTGGGATCGTTACCACTACAGTGTCT
AGAGTCAGGGACCCCCGCACCTATGACCGGAGGTATTGGTGTGATGCAGAGTATGACGCATACAGGAGAGAGCAC
TCTGCCTTCGGGGACAGGCCCGAGAAACGTGACAACAACCTGGAGGTACGATCCTCGCTTCACGGGGAGTTTTGAC
GATGACCCCGATCCGCACAGAGACCCCTTATGGGGAAGAGGTGGACCGGCGCAGCGTCCACAGCGAGCACTCGGCA
CGGAGCCTGCACAGCGCACACAGCCTGGCCAGCCGCCGAGCAGCCTCAGTCCCACTCGCACCAGAGTCAGATT
TACAGAAGCCACAATGTGGCTGCCGTTCCCTACGAGGCCCGCTTCCCTCCAGGCTCCTTTCACGGCGATTTTGCC
TACGGCACCTACCGCAGCAATTTTACGAGTGGCCCCGGCTTCCAGAGTATGGCTACCCTGCCGACACCGTCTGG
CCTGCCATGGAGCAAGTTTCATCAAGACCAACTTCTCCTGAAAAATTTTTCAGTGCCTCATGTCTGTGCCAGGTTT
GGCCCTGGCGGTGCTGCTGAGCAGCAGCTCTGAGCAGGAGGAGATGCGGGCGTTCCCGGGACCCCTGGCCAAAGAC
AGCATGGAGGCCTTGCTGAGCAGCAGCTCTGAGCAGGAGGAGATGCGGGCGTTCCCGGGACCCCTGGCCAAAGAC
GACACCCATAAGGTGGATGTCATTAATTTTGCACAGAACAAAGCTATGAAATGTTTGCAGAATGAAAACCTTAATT
GACAAAGAGTCTGCAAGTCTTCTTTGGAATTTTATTGTTCTCTTATGCAGACAAAATGGGACCGTGGTAGGGACC
GACATTGCGGAGCTTCTGTTACGAGACCACAGAACAGTGTGGCTTCCCTGGGAAGTCGCCCAATGAAGCAAACCTG
ATTGATTTACGAATGAGGCAGTGGAGCAGGTGGAAGAGGAGGAGTCTGGTGAGGCCAGCTCTCTTTCTCTACT
GGTGGTCCGGCGGCTGCCGCCAGCTCGCTCGAGAGAGAGACCGAGAGGTTTCAAGGAGCTGTTGCTGTATGGCCGT
AAGAAGGATGCTTTGGAGTCTGCAATGAAGAATGGCCTGTGGGGTCACGCTCTGCTACTTGCAAGTAAGATGGAC
AGCCGGACACACGCCCCGAGTCATGACCAGGTTTGCTAACAGCCTCCCAATCAACGACCCCTCTGCAGACAGTCTAC
CAGCTCATGTCCGGACGGATGCCGTGCCGCTCCACGTGCTGTGGAGACGAGAAATGGGGAGATTGGAGGCCGCAC
CTCGCCATGGTCTTGTCCAACCTGAACAACAACATGGACGTCGAGTCCAGGACGATGGCTACCATGGGCGACACT
CTGGCTTCAAGGGGCTCTTGGATGCGGGCCACTTCTGCTACCTCATGGCCCAGGCGGGGATTTGGTGTTTACACG
AAGAAAACCTACAAAGCTTGTCTTAATCGGATCCAATCACAGTTTGCCATTCTTAAAGTTTCGCAACCAACGAAGCA
ATCCAGAGGACGGAAGCCTATGAGTACGCCCAGTCCCTGGGTGCCGAGACCTGCCCCCTGCCTAGTTTCCAGGTG
TTTAAGTTTCTACTCCTGCCGCTGGCGGAAATGGGGCTGGCCACGCAAGCCTTCCACTACTGTGAGGCCATC
GCGAAGAGCATCCTGACGCAGCCGCACCTGTATTCCCGGTGTTGATCAGCCAGCTTGTGCAGATGGCTTCCCAG
TTACGACTCTTCGATCCCCAGCTGAAAAGAGAAGCCAGAAGAGGAGTCTTGGCCGCACCCACGTGGCTGGTTTAC
CTGCAGCAGGTGGAGCGGCAGATTAAGGAGGGGGCTGGAGTATGGCATCAGGATGGAGCCCTCCCGCAGCAGTGT
CCTGGCACTCCGAGTTCCGAGATGGAGCAGTTGGACAGGCCAGGACTCAGTCAGCCAGGAGCCCTGGGGATCGCC
AACCCTCTGCTGGCGGTGCCTGCACCGAGCCCTGAGCACTCGAGCCCGAGCGTGCAGCTGCTGCCCTCAGCTCCG
CAGACGCTCCCTGACGGCCATTGGCCAGTCTGCCAGAGTGGCGATGTTCCAGTGCCTACTGCCCCGGGGCCC
CTGGAGCCGGGTCTGGCTGTGTGACCCAGGGCCTGCACTTGGCTTCTGGAGCCCTCCGGGCTGGCTTCCCA
CCTGGTGTGCCACCTCTGCAGGAAAGGAGACACTTGTCTCAGGAAGCCAGGAGCCAGACCCAGGGATAGTGCCG
CAGGAGGCGCCTGTTGGAACTCACTTTCGAGCTAAGCGAAGAAAATTTTGATGGAAAATTTGCTAATCTGACC
CCCTCAGGACGGTGCCAGACTCGGAGGCCCCCCCCAGGGTGGGATCGTGCCGACTCGGGTCCCACGCAGCCACCT

3088/6881
FIGURE 2847B

CTGTCTCTCTCACCCGCTCCCGAAACAAAGAGACCCGGACAGGCAGCCAAGAAAGAAACGAAGGAACCTAAGAAG
GGTGAATCCTGGTTCTTTTCGTTGGCTACCTGGAAAGAAAAAGACAGAAGCTTATTTGCCAGATGACAAGAACAAA
TCGATTGTTTGGGATGAAAAGAAAAACCAGTGGGTGAATTTAAATGAGCCAGAAGAGGAGAAGAAAGCCCCGCCC
CCACCTCCAACCTCGATGCCCAAGACTGTGCAAGCTGCCCCGCTGCCCTCCCAGGGCCTCCTGGAGCCCCCGTG
AACATGTACTCTAGAAGAGCAGCAGGAACCAGAGCTCGCTACGTTGACGTCTGAACCCAAGCGGGACCCAGCGG
AGCGAGCCGGCTCTCGCTCCTGCGGACTTTGTGCTCCACTCGCGCCACTCCCAATTCCTTCTAACTTGTTCGTG
CCAACCCCAAGTGAGACCCAGGGACGTTGCGGACGGAATGATGGCCTCCTCGCTCTCTCATCCCAGATGCAGAA
GAACCACAGCTTCCAGACGGGACTGGCAGGGAAGGGCCTGCAGCAGCTAGGGGCCTGGCCAATCCAGAGCCTGCC
CCAGAGCCCCAAGTTTTTAAGCTCTGCAGCGTCACTCCCTGGCTCTGAACTCCCTCCTCCAGGCCTGAGGGTTCC
CAGGGAGGAGAGCTTTTCGCGCTGTAGTTCAATGAGTTTATTATCACGTGAAGTGAGCCAGCATTTTAATCAGGCT
CCTGGCGACCTCCCTGCTGCAGGGGGCCCTCCAGCGGGGCCATGCCCTTCTACAACCTGCTCAGCTGGCACAG
GCCTGCGCCACCTCCGGGAGCTCAAGGCTAGGGAGGATTGGCCAGAGGAAGCACCTGGTGCTGAACTAGGCTTGC
CCTGCTGTGAACTTGCACTTGGAGCCCTGACGCTGCTGTTCTCCCCGAAGAACCCGACCGACCTCCGCGATCTCC
GTCCCGCCCCCAGGGAGACACAGCAGTGAAGTCAAGAGCTGGTGCACACTGTGCCCTCCCTCCTCACCGCCCATCGT
AATGAATTATTTTGAATAATTAATCCACCATCCTTTTCAATTCTGGATGGAAAGACTGAATCTTTGACTCAGAAT
TGTTTGCCGAAAAGAATGATGTGACTTTCTTAGTCATTTAGGATGATTTAAGGATATAGTATTCCTGGTCATTTA
AGAATGTTTATTGATTGAAGCCGGAGCTGTCTCTGCCACAGGAGAGCCACATGGTCGGTAGTAACCAGGGCCTCT
CCAAGCCAGCTGTGAGTCACTGCCAGTGAGTCCGCGCTTCTTTAAGGTGCTGGGAGCAAAGAGAGGGTGAC
TGAGGCAGACCCCAACCCCTGCTCTGCACCATCTGGGCCCTCGCCGTGTTTGAACCTGGCTGAATGAGTGGAGGG
CGCTGTGTTCTCAATCAGCGCTCCGAGGAGCCGTGGGGTTTCTTCGGCATTAGTTCACGGTTTTTGAGAGAGGC
CTTAGTTACTGCAGTGAATTTCTTTCTGTTGCAAAGACGCTTCCAGCCTCACTTTACTTTCTGTGGCCTGATGA
GGACCATGGGTGATTTTGTGTACCCAAAGCGCTGGGGACTGCCACCCGTGTGGCCAGTCACTGGGAAGGAGCCC
CAGAGAGCCGGCTGTCTGACATGATGGCTCAGGGTGGTCACTCCAGGTTGAAAAGCTGACCGTGTGATGTTTGATTT
GGGCTTCATTTCTGTGTAGGAGCACGGTTAGACTCACTGTAAAGGAAGCTGGATGCACTTCTCTAAAAGGCTGC
ACTTTCCGTGAGCACTTTTCTGTTGTAATCCACATGACCCACTTTCTCCCTGGGGGACGTTGGTTTCAAGGTT
GGTAGCACTTGGGGAGAGTATCTTAACACAGTTTCTTGACAGCAGCTCTGGAACCTAGTATTTCTGCCCCGAGTT
TTGCCACACTGAGACTTTGAGTAGCTCCTGGTGGACTCAACCCGTGTTCAACTCAGAGACGGGCCTCCTCTCACTG
ATGCAAAGCTTTAAGGCTTCTCTGACTGTTCTGAAACTCTTCGTATTCTTGTCAGTCTAAAGAGACTGAAGAAA
AGATTTAAATACTAATAAAAAATCAGTAGATAATTTCTGTAGGTTCTGCTGGAGGAATACAACTGTTTGGTGTTT
TAAATTTAAGTGTAGAAATTGTAGAATGTGGAATTAGCACAGATCCTTCTGGCTTTCTGTTTCACTTGATCATT
TAGCCCAGACCACCCAGGATGTTTTCCAAAATGTTCCACAGGCGTGTCCCGCTGGATCCATTTGTCCTTGTCCT
TGGAGAAAGGCCAGTCCCTGTGACGGGGCAGCCCTCTCTGTCCCTCGGTGAGCTCGTGTGAATCCTGGGACCTCT
TCCGGTCGGCTCTGCCCCTGTTCTGGGGTCGACTGCCACGACTTTTGATTCAAGAAGCTTCTCCAGGCGGGAG
CGGCTATTTTTCTTAAATGAGAATTGTTACATTGCAAATTGTTGAATAAAATATTTTGGCGCTCCTTCAA

3089/6881
FIGURE 2848

METLCAPQVCPLPLNSTTEAVHMLPHAGAPPLD TVYPAPEKRPSARTQGPVKCESPATTTLWAQSELPDFGGNVLL
APAAPALYVCAKPQPPVVQPPEEAMSGQQSRNPSSAAFPVQSRGGIGASENLENPPKMGEELQSQASSGYASLL
SSPPTESLQNPPVLIAPDHSYNLAQPINFSVLSNSHEKNQSWREALVGDRPAVSSWALGGDSGENTSLSGIPT
SSVLSLSLPSSVAQSNFPQSGGASEMVSNQPANLLVQPPSQPVENLVPESQKDRKAGSALPGFANSFAGSTSVV
LVPPAHGTLVPDGNKANHSSHQEDTYGALDFTLSRTLENPNVYNP SHSDSLASQQSVASHPRQSGPGAPNDRF
YQQVTKDAQQQPGLERAQQELVPPQQQASPPQLPKAMFSELSNPESLPAQGQAQNSAQSPASLVLDAGQQLPFR
FPQSSSVSLVSSGSGQAAVPSEQPWPQVPALAPGPPQDLAAYYYYRPLYDAYQPQYSLPYPPPEGAASLYYQD
VYSLYEPRYRYPDGAASAYAQNRYRYPEPERPSSRASHSSERPPPRQGYPEGYSSKSGWSSQSDYYASYSSQYD
YGDPGHWDRYHYSARVRDPRTYDRRYWCDAEYDAYRREHSAFGDRPEKRDNNWRYDPRFTGSFDDDPDHRDPYG
EEVDRRSVHSEHSARSLSHAHSLASRRSSLSSHSHQSQIYRSHNVAAGSYEAPLPPGSFHGDFAYGTYSNFSG
PGFPEYGYPADTVWPAMEQVSSRPTSPEKFSVPHVCARFGPGGQLIKVIPNLPSEGQPALVEVHSMEALLQHTSE
QEEMRAFFPGPLAKDDTHKVDVINFAQNKAMKCLQENENLIDKESASLLWNFIVLLCRQNGTVVGT DIAELLRLDHR
TVWLPKGKSPNEANLIDFTNEAVEQVEEEESGEAQLSFLTGGPAAAASSLERETERFRELLLYGRKKDALESAMKN
GLWGHALLLASKMDSRTHARVMTRFANSLPINDPLQTVYQLMSGRMFAASTCCGDEKWDWRPHLAMVLSNLNNN
MDVESRTMATMGDTLASRGLLDAAHFCYLMAQAGFGVYTKKTKLVLIGSNHSLPFLKFATNEAIQRTEAYEYAO
SLGAETCPLPSFQVFKFIYSCRLAEMGLATQAFHYCEAIAKSILTQPHLYSPVLISQLVQMASQLRLFDLPQLKEK
PEEESLAAPTWLVLHQQVERQIKEGAGVWHQD GALPQQCPGTPSSEMEQLDRPGLSQPGALGIANPLLAVPAPSP
EHSSPSVRLLP SAPQTL PDGPLASPARVPMFVPLPPGPLEPGPGCVTPGPALGFLEPSGPGGLPPGVPLQERRH
LLQEARS PDPGIVPQEAPVGNLSLSELSEENFDGKFANLTPSRTVPDSEAPPGWDRADSGPTQPPLSLSPAPETKR
PGQA AKKETKEPKKGESWFFRWLP GKKKTEAYLPDDKNKSIVWDEKKNQWVNLNEPEEEKKAPPPPT SMPKTVQ
AAPPALPGPPGAPVNMYSRRAAGTRARYVDVLNPSGTQRSEPALAPAD FVAPLAPLP IPSNLFVPTPDAEEPQLP
DGTGREGPAAARGLANPEPAPEPKVLSSAASLPGSELPSRPEGSQGGEAPGDLPAAGGPPSGAMPFYNPAQLAQ
ACATSGSSRLGRIGQRKHLVLN

3090/6881
FIGURE 2849

AGACGCAAGATGGCGGCTGTGGTGCTGGCGGCGACGCGGTTGCTGCGGGGCTCGGGTTCTTGGGGCTGTTTCGCGG
CTGAGGTTTGGACCTCCTGCGTACAGACGGTTTAGTAGTGGTGGTGCCATATCCCAACATCCCCCTCTCTTCTCCC
TTACCTGGAGTACCCAAGCCTGTTTTTGCTACAGTTGATGGACAGGAAAAGTTTGAAACCAAAGTAACCACATTG
GATAATGGGCTTCGCGTGGCATCTCAGAATAAGTTTGGACAGTTTTGTACAGTAGGAATTCTTATCAATTCAGGA
TCGAGATATGAAGCGAAATACCTTAGTGGAATTGCTCACTTTTTGGAAAAATTGGCATTTCGTCTACTGCTCGA
TTTGACAGCAAAGATGAAATTCGCTTACGTTGGAAAAGCATGGGGGTATCTGTGACTGCCAGACATCAAGAGAC
ACCACCATGTATGCTGTGTCTGCTGATAGCAAAGGCTTGGACACGGTGGTTGCCTTACTGGCTGATGTGGTTCTG
CAGCCCCGCTAACAGATGAAGAAGTCGAGATGACGCGGATGGCGGTCCAGTTTGAGCTGGAGGACCTGAACCTG
CGGCTGACCCAGAGCCACTTCTCACCAGATGATTCATGAAGCGGCTTACAGGGAGAACACAGTTGGCCTCCAC
CGTTTCTGCCCCACAGAAAACGTAGCAAAGATCAACCGAGAGGTGCTGCATTCCTACCTGAGGAATACTTACACT
CCCGACCGCATGGTGTGGCCGGCGTGGGCGTGGAGCACGAGCATCTGGTGGACTGTGCCCGGAAGTACCTCCTG
GGGTCCAGCCGGCTGGGGGAGCGCAGAGGCCGTGGATATTGACAGATCTGTGGCCAGTACACTGGGGGGATT
GCCAAGCTAGAAAGAGACATGTCCAATGTCAGCCTGGGCCCCGACCCCATCCCCGAGCTCACGCACATCATGGTT
GGACTGGAGAGCTGCTCCTTCTGGAGGAGGACTTCATCCCCTTTGCAGTGTGAACATGATGATGGGCGGAGGT
GGCTCCTTCTCGGCTGGTGGGCCGGCAAGGGCATGTTCTCCAGGCTCTACCTCAACGTGCTCAACAGGCACCAC
TGGATGTATAACGCGACCTCCTACCACCACAGCTACGAGGACACTGGCCTCCTTTGCATCCATGCCAGCGCCGAC
CCAAGACAGGTTGAGAAAATGGTAGAAATCATCACAAGGAGTTTATTTTAATGGGCGGAACCGTGGACACGGTG
GAGCTGGAACGAGCCAAGACGCAGCTGACATCAATGCTCATGATGAACCTGGAATCCAGGCCTGTGATCTTCGAG
GATGTGGGGAGGCAGGTGCTGGCCACTCGCTCCAGAAAGCTGCCGCACGAGCTGTGCACGCTCATCCGCAACGTG
AAGCCGGAAGATGTGAAGAGAGTCGCTTCTAAGATGCTCCGAGGGAAGCCGGCAGTGGCCGCCCTGGGTGACCTG
ACTGACCTGCCACGTATGAGCACATCCAGACCGCCCTGTGAGTAAGGACGGGCGCCTGCCAGGACGTACCGG
CTCTTCCGGTAGAACCGCTCCCCGGCCTGACAGACCCAGGGAGCTGCAGCTGGAGCCCGTTCCCGTGCCTGTTAG
TTTGACACGAATTTAGTCTAAAAAGCTGTCTGGTTGTATAAACGGTGCAACAATGTCGCCACAGCACCCACGC
GGTTTGCATTCTTTTGGAACTCAATGTGCCGATCAGTGGAGTCAGTATCGAGCCTGACCACCGCAAGCCAGGAAG
CAGGTGAAGTGCCAGCGCTGGAGTGCAGCGTGCCACGAGGAGGGCGGTTCGGTGCTTCCCTCCTCGGGCTGTGGG
CACATGGGGCCCCGAGGTTTCTTGGAGGAGCCCTGAGCTGGGAGGCAGCAAAGGCTGACCTATCAAAGCCTCCC
GGAGGCCACCGTGCTGGGTACCAGGACTCACCTCTGACAAGCAGGAGAAGGTAAGGGCCCGGTGAGCTCCAAGGA
GCGCGCTCCACGCGCTGCACACAGCTTCCCTGGTAATAAAGAGCTGGCATCTTTCTT

3091/6881
FIGURE 2850

MAAVVLAATRLLRGSGSWGCSRLRFGPPAYRRFSSGGAYPNIPLSSPLPGVPKPVFATVDGQEKFETKVTTLDNG
LRVASQNKFGQFCTVGILINSGSRYEAKYLSGIAHFLEKLAFSSTARFDSKDEILLTLEKHGGICDCQTSRDSTM
YAVSADSKGLDTVALLADVVLQPRLTDEEVEMTRMAVQFELEDNLNRPDPEPLLTEMIHEAAYRENTVGLHRFC
PTENVAKINREVLHSYLRNYYTPDRMVLAVGVGEHEHLVDCARKYLLGVQPAWGSAEAVDIDRSVAQYTGGIAKL
ERDMSNVSLGPTPIPELTHIMVGLESCSFLEEDFIPFAVLNMMGGGGSFSAGGPGKGMFSRLYLNVNLRHHWY
NATSYHHSYEDTGLLCIHASADPRQVREMVEIITKEFILMGGTVDTVELERAKTQLTSMMLMNLESRPVIFEDVG
RQVLATRSRKLPHLCTLRNVKPEDVKRVASKMLRGKPAVAALGDLTDLPTYEHIQTALSSKDGRLPRTYRLFR

3092/6881
FIGURE 2851

GGCGGCCGAGCGGCGGGCGACGGGGGCGGGCGACGGGGGCGGGCGACGGGGCCGCGGCACGGGCGGAGCCGGGG
CCATGGAGCCCGCCGCTGCCGGGCTAGGCAGGTCGTGCCCCGCCGGGCGGCGGCATGTGCGGGCTACCAGCGCCG
CCCGGGCGCCACCCCGCTGTCCCGAGCCCGGAGCCTCGCCATTCCCGACGCTCCAGCGTTCTATGAGCGCCGGTC
TTGTCTCCCCCAGCTAAATTGTGAGCGCCCCCATGGCAGGGACCTGGACTCCCCCTTCTTCGGCATTCGGCCGGC
CTTTATGTGCTATGTGCCCAGCCCGGTGCTGGCTTCCGTGGGAGACACAGATTTTGGCTATGGAAGGGGAAATG
TTCTAAGCAGAGCCCGTCAGGAGCCACGGGACACATTTTGGAGATGACAGATTTGAAGATCTGGAAGAGGCAAA
TCCATTCTCTTTTAGAGAGTTTCTGAAGACCAAGAACCTCGGCCTCTCGAAAGAGGATCCGGCCAGCAGAATTTA
TGCAAAGGAAGCCTCGAGGCATTCCCTGGGACTTGACCACAACCTCCCCACCCTCCCAAACCGGCGGGTATGGCCT
GGAGTATCAGCAGCCATTTTTTCAGGATCCGACAGGGGCTGGTGACCTCCTGGATGAGGAGGAGGATGAGGACAC
CGGATGGAGTGGGGCCTACCTGCCGTCCGCCATCGAGCAGACTCACCCCGAGAGGGTCCCTGCCGGCACGTGCGC
CTGCAGCACATACTTTTCTTTTTCTCCACCCCGTCGGAGCTGGCAGGGCCTGAGTCTCTGCCCTCGTGGGCGTT
GAGTGACACTGATTCTCGCGTGTCTCCGGCCTCTCCGGCAGGGAGTCTTAGCGCAGACTTTGCGGTTTCATGGAGA
GTCTCTGGGAGACAGGCACCTGCGGACGCTGCAGATAAGTTACGACGCACTGAAAGATGAAAATTCTAAGCTGAG
AAGAAAGCTGAATGAGGTTTCAGAGCTTCTCTGAAGCTCAAACAGAAATGGTGAGGACGCTTGAGCGGAAGTTAGA
AGCAAAAATGATCAAGGAGGAAAGCGACTACCACGACCTGGAGTCGGTGTTTCAGCAGGTGGAGCAGAACCTGGA
GCTGATGACCAAACGGGCTGTAAAGGCAGAAAACACGTCGTGAAACTAAAACAGGAAATCAGTTTGCTCCAGGC
GCAGGTCTCCAATTCCAGCGAGAGAATGAAGCCCTGCGGTGCGGCCAGGGTGCCAGCCTGACCGTGGTGAAGCA
GAACGCCGACGTGGCCCTGCAGAACCTCCGGGTGGTCATGAACAGTGACACAGGCTTCCATCAAGCAACTGGTTTC
CGGAGCTGAGACACTGAATCTTGTTGCCGAAATCCTTAAATCTATAGACAGAATTTCTGAAGTTAAAGACGAGGA
GGAAGACTCTTGAGGACCCCTGGGTGTTCTCAGCATGAAGCTCCGTGTATACCCTGAGGTACACCACCGCTCGATC
TAAATGTGCAGTTGTGTCCTTAAATATGCAGTCTTACCCAGAGTAAAGTGTGATCGCAAGAGTCCAGTGTCTGT
GCCCTCAGCCAGTTCTTGCCACCACAATGGGAGCAGCCCTGGCCGAGTTGTCTCTGTGGTTTCTATGCAGCCCT
TCTTGGCGAAATTCTTGCGATCTTATAGATTCTAATGAGCTCTTGGAAGACATTGTCATAAAAGCCAGTGATTTT
AAGAAAAAGAGTGGTTCTGGAATCAATGTTTTCCAGTCCCATCCAGAACATCAGTTGTAAGATAAGTACAATTG
GTTGTCTTGATTTTATAAGTAGAACAACACTAAATGTGCCTCTGAGATGGCCACCCCGGGCAGGGACCTGTGC
CTTCCGCCGATGCTCAGGGCTCCCTCTGGCTCCCGGGTCACTCTTGTGGCCCCAGTGGGTGGTCCCTGCAGTCAT
GGCCTGAGTGCGCAGGGGCCACCGCGTGGCTGCTGCTGTCTCTCCCTCCGGGACCCACGGGGACCAAGGTACACAGT
TCCGTGCTGTGAAGCTGTCCAGATGTGCCTCTTTGGCTGGGGGTTCTGGTGGACGTTTCAAGTGGCATTTTGTAC
AATGCAGGTTAGAATTCAGGAATTTCAAGTATGTGCCCGGGTCTGTGAGTCCAGTTGCCCTTTCTGACGGCCCC
CCTCAGAGGGACGGCGATGAGCACTAAATGCTTTTTTGGACTATTTTCCCTATAGATTTTTTTTTAAACTTTTTTTT
CCTCCTGTTCCAATTGATAGCTTTCTTATTTAATAAATTCTGTAGTTCACCGC

3093/6881
FIGURE 2852

CTGTGTAGGGCATGGACACAGGGAGCTCATGGCAGGGCTGACACAGGGTGTGGTGGGCACAGGGACAGGAGGCAC
GGGAGGCTTCCCGGGATGTCTGGGAAGTGTTCCAGGCCAAGGCTGGGGAGGCTGGCCCAGGGCAGGTGACGGACA
GAGGCCTGGACTGGGGTAGCACCCATGAGAGGGGAGAAGTCCGGGGCAGTCGGCGGGTGCCGAGGGAGCATCCCG
AGGGCCCCGTCTTCGGACGAGGAGTGCTTCTTTGACCTGTTGACCAAGTTCAGAGCAGCCGCATGGACGACCAG
CGTTGTCCCCCTGGACGATGGCCAGGCCGGGGCTGCCGAGGCCACGGCCGCCCCACCCTGGAGGACAGGATCGCC
CAGCCCTCGATGACGGCCTCGCCCCAGACCGAGGAATTCTTCGACCTCATCGCCAGCTCCCAGAGCCGCCGGCTG
GACGACCAGCGGGCCAGCGTGGGCAGCCTGCCGGGGCTGCGAATCACCCACAGCAATGCAGGGCACCTCCGAGGC
CACGGCGAGCCCCAGGAGCCGGGGGACGACTTCTTCAACATGCTCATCAAGTACCAGTCTCCAGGATCGATGAC
CAGCGCTGCCCACCACCTGACGTACTGCCCCGGGGCCCTACCATGCCGGACGAGGACTTCTTCAGCCTCATTAG
AGGGTGCAGGCTAAGCGCATGGACGAGCAGCGGTGGACCTCGCCGGGGGCCCGGAGCAGGGGGCAGGCGGCCCG
CCCCAGCCCCAGCAGCAGTGCCAGCCTGGTGCAGCTAAGGCCCTGTGCCACCGCCAGGCCACCCTGCCCCCA
CTCCTGGACGCCGGTCTCACAGTCACAGCCACGTCTCCCGAGGCCATTGCCGAGGACAGGCACTGGGCATGCAG
CCCCACGGCCTCCCCGACCCAGGGCGACAGGCTCAGGCCAAGCTGCCCGTGGTGGGAGGGCGTGCTTCCATCCCG
GGCTGGCCCCCATGGCCCTCAGCTTCTCTCCCTTCTGCCCTGCCCGAGGCCGGACGGGGCCTTCGGCATGTCCGC
CCCGACCTGGTGTGTGCTCAGACTCCCGCATCCTCTCCCCAAGCCCTTCCCGTTCTGCCCTGCCCTGCCAAATGTG
AAACCCTGCTGTCTCCCCCACCCTCCCCAAAGGTGTCTCTGAGCCGCTCTTGGGGCCACCAAGGACAGGGCCAT
GTTCTGTCCCCCAGAGCTGGTCTTGGGATGGCCGTGTGACAGGCATGCTCCACCCCTCCAGCTTCGTCTGGGG
CAGGGCTCCCTCCAAGCCTGTCTCCCCACTCCCGGCCAGAGGTCAGCAACCACAGAAGGCCCCCCAGACCACGC
ATGGCAGACCAGGCTGCAGTGGCAGCCCTGAGGTGCCCCCGCCGAGTCCCAGGGCCCTGCAGGGGCCTCGACAG
GAGCCGGGCCTATCTCTAAAGCAGAGGGAATGGCTGGGCATGAACTTCGACATTCCAAAACCCCAAGCCAGGAAA
AAGGGCAGGGCCTGGTCTTAGGGATGCTTACTGGCAGCAAGAGCAGTGCCAGTCAGGGTGGGAGGTAGCACCAG
GCTCTGTGACCCTCACCCAAGTGGGGGGGTGGTCAGTGGAAGCTGGGGAGGCTTCACTCAGCTCAACCCTGCAGA
CCCCCATATGAGAAACCCCTCCTCCCACCAGCTGGGGGAGATGACATCACTGCTCTCTCCATGGGGAGGGGGC
TCACAGGGCACCAAGTTCGGGATCCTAGGACTGGCAGGACCTGCTGGAGCCTGAGATGGGCCCCAGGGGCCTGAG
GTTGCCTCCTCCTGTCCAGACCCAGCCTTGGCACCTCCAAGACTGCCAAGGGCCCTACCATGGCCCCACAGCCC
CCAGGGCTGGCAGTTCCATCTAGGAGGGTGCCTCTAGGCCCCACTCTCAGGCTAGGATGGAGAGGCAGATCTGGG
CCTGGTGAGGTGACCTGCTTCTGGAGGGGCAGGGCCGCACCCGAGAGCAGGGACAGGTGCCGAACACAGGGTCT
CCAGGACGTAGCGCCCCCCCCGCATACTTGAATGTATGTGCGTATTTATTGCTCACGTCTGTGCCATGTTGTCAAT
GGGTCCTTTCCAACCCAAGAGGTACATTTGTTTTTCTGTTTTTCTGAAAAATAAAGTCGGCCAAGTGAG

3094/6881
FIGURE 2853

MALSFLPSAPAAGRTGPSACRPRPGAVRLPHPLPQALPVLPCPAKCETLLSPPPSPKVLSRLLGPPRTGPCSVF
PELVLGWPCDRHAPPLQLRPGAGLPPSLSPHSPARGQQPQKAPQTTHGRPGCSGSPEVPPAESQGPAGASTGAGP
ISKAEGMAGHEL RHSKTPSQEKGQGLVLGMLTGSKSSAQSGWEVAPGSVTLTQVGGWSVEAGEASLSSTLQTPHM
RTPLLPPAGGDDITALSMGRGLTGHQVRDPRTGRTCWSLRWAPGA

3095/6881
FIGURE 2854

CTCGTGGACACCTGCCACCGGGCCATGAGGACCACCTTCCTCCACATCTCCAAGACCCCCCAGGAGAACGGGGCC
ACTGCGGGGTCTGGCGTGCAGCCGGCCCCAGTAGCCCAGACCACGGCAGGGCATGACCTGGGGAGGGCAGGTGGAA
GCCGATGGCTGGAGGATGGGCAGAGGGGACTCGCGCCACGGCACCTCTGGGAGCTGGGATGATAAAGATGAGGC
TTGCGGGCTGTGGCCCGCTGGTGGGCTGAGCCACAAGGCCCCGATGGCCAGGAGCAGATGGGAGGACCCGAGG
CCAGACGCACACTGTCCGAGCCCTCTGCTCAGCCGCCTGGGACCCACCAGGGTGCAGCTGGGCTCCAGGGTCCAG
CCCACAAGCTGCATCAGGCTCTCTGGGAGAGGAGGGGCCTGGAGGGCCAGGAGTCCCAGACTCACGCACCCTGGG
CCACAGGGAGCCGGAATCGGGGCCTGCTGCTCCTGCTGGCCTGGAAGACTCTGTGGGGTCAGCACTGTACTCCG
TTGCTGTTTTTTTATAAACACACTCTTGGAAGTGGCTGGGGAGCTGTGGTCACTCACAGGGCGGGCAGGTGACCA
GGCGGTGGAGGCGACGCTGTGTCTTCCCAGCTGCCCTGCCTAGAGGCCCAGGGTGCAGGCACCGCCACCCACCC
GTGTTCCCTATCCAGGAGTGGACCCACATCACCT

3096/6881
FIGURE 2855

CGCGGGGGAGAAAGCGGGAGCGGGAGCGGGAGCGAGCTGGCGGGCGCCGTCGGGCGCCGGGGCCGGGCCATGGAGCTG
TGGCCGTGTCTGGCCGCGGCGCTGCTGTTGCTGCTGCTGCTGGTGCAGCTGAGCCGCGCGGCCGAGTTCTACGCC
AAGGTCGCCCTGTACTGCGCGCTGTGCTTCACGGTGTCCGCCGTGGCCTCGCTCGTCTGCCTGCTGCGCCACGGC
GGCCGGACGGTGGAGAACATGAGCATCATCGGCTGGTTTCGTGCGAAGCTTCAAGTACTTTACGGGCTCCGCTTC
GAGGTGCGGGACCCGCGCAGGCTGCAGGAGGCCCGTCCCTGTGTGTCATCGTCTCCAACCACCAGAGCATCCTGGAC
ATGATGGGCCTCATGGAGGTCCTTCCGGAGCGCTGCGTGCAGATCGCCAAGCGGGAGCTGCTCTTCCTGGGGCCC
GTGGGCCTCATCATGTACCTCGGGGGCGTCTTCTTTCATCAACCGGCAGCGCTCTAGCACTGCCATGACAGTGATG
GCCGACCTGGGCGAGCGCATGGTCAGGGAGAACCTCAAAGTGTGGATCTATCCCGAGGGTACTCGCAACGACAAT
GGGGACCTGCTGCCTTTTAAGAAGGGCGCCTTCTACCTGGCAGTCCAGGCACAGGTGCCCATCGTCCCCGTGGTG
TACTCTTCTTCTCCTCCTTCTACAACACCAAGAAGAAGTTCTTCACTTCAGGAACAGTCACAGTGCAGGTGCTG
GAAGCCATCCCCACCAGCGGCCTCACTGCGGCGGACGTCCCTGCGCTCGTGGACACCTGCCACCGGGCCATGAGG
ACCACCTTCCCTCCACATCTCCAAGACCCCCCAGGAGAACGGGGCCACTGCGGGGTCTGGCGTGCAGCCGGCCCAG
TAGCCCCAGACCACGGCAGGGCATGACCTGGGGAGGGCAGGTGGAAGCCGATGGCTGGAGGATGGGCAGAGGGGAC
TCCTCCCGGCTTCCAAATACCACTCTGTCCGGCTCCCCCAGCTCTCACTCAGCCCGGGAAGCAGGAAGCCCCCTC
TGTCAGTGGCCTCAGACACAGGCCCCCTGGTGTCCCCCTGCAGGGGGCTCAGCTGGACCTCCCCGGGCTCGAGGGC
AGGGACTCGCGCCACGGCACCTCTGGGAGCTGGGATGATAAAGATGAGGCTTGCGGCTGTGGCCCCGCTGGTGGG
CTGAGCCACAAGGCCCCCGATGGCCAGGAGCAGATGGGAGGACCCGAGGCCAGACGCACACTGTCCGAGCCCT
CTGCTCAGCCGCTGGGACCCACCAGGGTGCAGCTGGGCTCCAGGGTCCAGCCCACAAGCTGCATCAGGCTCTCT
GGGAGAGGAGGGGCTGGAGGGCCAGGAGTCCCAGACTCACGCACCCTGGGCCACAGGGAGCCGGGAATCGGGC
CTGCTGCTCCTGCTGGCCTGGAAGACTCTGTGGGGTCAGCACTGTACTCCGTTGCTGTTTTTTTATAAACACACT
CTTGAAGTGG

3097/6881
FIGURE 2856

MELWPCLAAALLLLLLLVQLSRAAEFYAKVALYCALCFTVSAVASLVCLLRHGGRTVENMSIIGWFVRSFKYFYG
LRFEVDPRLQEARPCVIVSNHQSILDMMLMEVLPERCVQIAKRELLFLGPVGLIMYLGGVFFINRQRSSTAM
TVMADLGERMVRENKLVWIYPEGTRNDNGDLLPFKKGAFYLAVQAQVPIVPVYSSFSFYNTKKKFFTSGTVTV
QVLEAIPTSGLTAADVPAALVDTCHRAMRTTFLHISKTPQENGATAGSGVQPAQ

3098/6881
FIGURE 2857

GGCGCCTGGCGCACCTGGTGTCTTCTGCCCTTCTCCAAGCGCCTGCAGGGCCGGCTCCCAGGCCTCAGGGTCC
GCTGCATCTTCCTGGCCTGGCTGGGCGTCTTTGCAGGCAGCTGGCTGGTGTACGTGCACTACTCGTCCTACTCGG
AGCGCTGTGCGGGCCATGTCTGCCAGGTGGTTCATTTGTGACCAGTACCGCAAGGGGATCATCTCGGGCTCCGTCT
GCCAGGACCTGTGTGAGCTGCATATGGTGGAGTGGAGGACCTGCCTCTCGGTGGCCCCGGGCCAGCAGGTGTACA
GCGGGCTCTGGCGGGACAAGGATGTAACCATCAAGTGTGGCATTGAGGAGACCTCGACTCCAAGGCCCGGTTCGG
ATGCGGCCCCCGGGCGGAGCTGGTACTGTTTGACAAGCCACCCGGGGCACCTCCATCAAGGAATTCCGGGAGA
TGACCTCAGCTTCCTCAAGGCGAACCTGGGAGACCTGCCTTCCCTGCCGGCGCTGGTTGGCCAGGTCTGCTCA
TGGCTGACTTCAACAAGGACAACCGGGTGTCCCTGGCGGAAGCCAAGTCCGTGTGGGCCCTGCTGCAGCGTAACG
AGTTCCTGCTGCTGCTGTCCCTGCAGGAGAAGGAGCACGCCTCCAGACTGCTGGGCTACTGTGGGGACCTCTACC
TCACCGAGGGCGTGCCGCATGGCGCTGGCACGCGCGCCGCCCTTCCACCCCTGTTGCGCCCACTGCTGCCGCCTG
CCCTGCAGGGTGTCTCCAGCAGTGGCTGGGGCTGCGTGGCCTTGGCGGGCCAAGATCGCCATCGGCCTGCTGG
AGTTCGTGGAGGAGCTCTTCCACGGCTCTTACGGGACTTTCTACATGTGTGAGACCACACTGGCCAACGTGGGCT
ACACAGCCACCTACGACTTCAAGATGGCCGACCTGCAGCAGGTGGCACCCGAGGCCACCGTGCGCCGCTTCCTGC
AGGGCCGCCGCTGCGAGCACAGCACCGACTGCACCTACGGGCGCGACTGCAGGGCCCCGTGTGACAGGCTCATGA
GGCAGTGCAAGGGCGACCTCATCCAGCCCAACCTGGCCAAGGTGTGCGCACTGCTACGGGGCTACCTGCTGCCTG
GCGCGCCCGCCGACCTCCGCGAGGAGCTGGGCACACAGCTGCGCACCTGTACCACGCTGAGCGGGCTGGCCAGCC
AGGTGGAGGGCCATCACTCGCTGGTGTCTAGCCACCTCAAGACTCTGCTCTGGAAGAAGATCTCCAACACCAAGT
ACTCTTGATGGGGCAGTGAGGGGCTGGCCAACCTTCTGGAGCTGGCCAGGTGCCAGGGTCCAACCCTCCCTCA
AGGAATCCTGTGAGAAGATGTGAAATGCAACTGTGTTGCAAAATCACTCCCTACCCTCAGGGCTCTGGATTCCA
GCACCACAGACATGAGACCCAGCTCGGAGCAAAGGCGGACATGGACATCCCGGCAGGAGAGTCTCCAAGGGGG
TTTGTTACTCTGAAGAACGTAATGTCAATAACAGCTTTTATGTAATGCCAGGGCTG

3099/6881
FIGURE 2858

MVEWRTCLSVAPGQQVYSGLWRDKDVTIKCGIEETLDSKARSDAAPRRELVLFDKPTRGTSIKEFREMTLSFLKA
NLGDLPSLPALVGQVLLMADFNKDNRVSLAEAKSVWALLQRNEFLLLSLQEKEHASRLLGYCGDLYLTEGVPHG
AWHAAALPPLLRLPPALQGALQQWLGPWPWRKIAIGLLEFVEELFHGSYGTFFYMCETTLANVGYTATYDFK
MADLQQVAPEATVRRFLQGRRCEHSTDCTYGRDCRAPCDRLMRQCKGDLIQPNLAKVCALLRGYLLPGAPADLRE
ELGTQLRTCTTSLGLASQVEAHHSVLVSHLKTLLWKKISNTKYS

3100/6881
FIGURE 2859

CTCTGCGTGCGCCGGAGGCTGCCGTGGCGGGTGGGCCGCTGACTTCTCCTCCCGGCCAGTTCTCGAGCGCCTCA
CCGGGCCTCGCCCTGAGCCTCGCTCTCGCTGGCGCTGCGCGGCCTAGGGGACTGGGCTGCTGGCCTCCGGGTGC
GGGGTGGGGGCAGGCTCCGACCTGGGGCGTCTTGGCCGCGCGAGCCGCGGGATGGGGGCCCGGGCCGCGGAGGAG
GCGCCGCTGGTGTGTCCCTTGGTGGAGAGGGCGCTGCCGGCCCTGCGCGGTTTCCAGCCAGGAAGCTTCGGGAAG
CCTGGACGTCTGCTCACTGGAGATGACACGTGCGTGGGGTGTGGCATTCTTGTTATTTAACACGGGAAGGAGGT
GACTTCGCCTGTGATGGACTTCCAGTGTGAGCACTGGCCAGAGTGACCAGGCTGACCAGCACCAGCCCTGATCCA
GATGCAGAGGCCAGGATGTGGGCCCAGCCCTGTGCCAGGAGGCTGGCTGGAATAAAGGTACAGATAGAGGCCTCA
CCCCCTCTGGGACCACTGGCACTCAGGGTGTTCAGCCTCAGAGCCCACCTGCCCCCAGGGCCACAGCTGCATC
TCCTGCCCTGCTGTCAATTACAGGGATGGGCAGGCTGGCATGGGGGCAGCCGCTGCCCTGCCCTGGGTGTTGCTGT
GTATTCTGCGGCCAGGGGCCACTGCCAGGACCACGCCTCCCTTTTCATATCCCGATTCTTAAGTTCTGCTATT
GTGGTATTCTGGTGGAGAAAAAAGAACC GCGTGGCTGTTTTTGAAGTGCCTGGAACCTAAGACCCTGAATTCTTT
TCCCCCCAAGGGGAAAATCTATATGGAAAACATTTATTTTAAAATACAGGATGAAGTGAATTAAGATTAA
TGCACATTTCTTTAAGGATAATATTTCTGTGTTGGCAAAATTTGAGAGTAAATTGGTCTTGAATGGAATGGATTG
TCTTGACTCACACATTGCGGAGCAGAGCCCGCCCTGAAGAAAGGTGTTGCTGTGGTGGGATCTTCCCACGAGGGT
CCTTGCCGTCTCTCCTAGGGGATGGTTGCTGGGTGCCCTGGGCTACTGGGGAGAGCGTACGGGGCTGGAGAAGAT
GGCCATTCTGGGCTGTTTCCTAGGGAATGAGTTGTACATCTCATGGCTGGATTTTGTAAAATCAGTTTTTAAAA
TACCGCATATATCTGTTTTCTTACTGG

3101/6881
FIGURE 2860

GGCACGAGGCCGAGCCCTGCCAACCATGGTGAACTTGGGTCTGTCCCGGGTGGACGACGCCGTGGCTGCCAAGCA
CCCGGGACTCGGGGAGTATGCCGCATGCCAGTCACACGCCCTTCATGAAGGGCGTTTTACCTTCGTACAGGCAC
CGGCATGGCCTTTGGCTTGAGATGTTTCATTACAGAGGAAGTTTCCATACCCTTTGCAGTGGAGCCTCCTAGTGGC
CGTGGTTGCAGGCTCTGTGGTCAGCTACGGGGTGACGAGAGTGGAGTCGGAGAAATGCAACAACCTCTGGCTCTT
CCTGGAGACCGGGCAGCTCCCCAAAGACAGGAGCACAGATCAGAGAAGCTTAGGAGAGCTCCAGCAGGGGCACAGA
GGATTGGGGGCAGGAGGAGTCTGGAACACAGCCTTCATGCCCCCTGACCCAGCCCGACCCTCCCCACACCCTAG
GGTACCCCACTCGTATCCTCTGTCCGCATGTGTGGCCAGGCCTGACAAACACCTGCAGATGGCTGCTGCCCCAAC
CTGGGACCTGCCCAGGAGGTTGGAGCAGAAAGGGCTCTCCCTGGGGTGGTGTCTCCTCTAGGGTATTGGGATG
CATGTTCTGCACTGCCAGCAGAGAGGGTGTGTCTGGGGGCCACCACCTATGGGACACGGGGTCGAAGGGGCCTGT
ACACTCTGTCAATTCCTTTCTAGCCCCTGCATCTCCAACAAGTCCAAGGTGACAGCTGGTGCTAGGGGCGTGGGG
TTAATAAATGGCTTATCCTTCTCTCAAAAAAAAAAAAAAAAAAAAA

3102/6881
FIGURE 2861

MVNLGLSRVDDAVAAKHPGLGEYAAACQSHAFMKGVFTFVTGTGMAFGLQMFIRQKFPYPLQWSLLVAVVAGSVVS
YGVTRVESEKCNLWLFLETGQLPKDRSTDQRS

3103/6881
FIGURE 2862

GGGGACTCCGGGAGGAGGAACATGGCCGTGGCGGACCTCGCTCTCATTCCCTGATGTGGACATCGACTCCGACGGC
GTCTTCAAGTATGTGCTGATCCGAGTCCACTCGGCTCCCCGCTCCGGGCTCCGGCTGCAGAGAGCAAGGAGATCG
TGCGCGGCTACAAGTGGGCTGAGTACCATGCGGACATCTACGACAAAGTGTCGGGCGACATGCAGAAGCAAGGCT
GCGACTGTGAGTGCTCTGGGCGGGCGGGCGCATCTCCCACCAGAGTCAGGACAAGAAGATTACAGTGTACGGCTATT
CCATGGCCTATGGTCCTGCCCAGCACGCCATTTCAACTGAGAAAATCAAAGCCAAGTACCCCGACTACGAGGTCA
CCTGGGCTAACGACGGCTACTGAGCACTCCAGCCCGGGGCTGCTGCCTCCAGCAGCCACTTCAGAGCCCCGCC
TTTGCTGCACTCCTCTTGACAGGGCTGGCCCTGCCTGCTCCTGCGGCAGCCTCTGGTGACGTGCTGTCCACCAGG
CCTTGGAGACAGGCTAGCCTGGCCACAGAATTAAACGTGTTGCCACACCTGCCGGCTTCTTAAAAAAAAAAAAA
AAAAAAAAAAAAAA

3104/6881
FIGURE 2863

MAVADLALIPDVIDSDGVFKYVLIRVHSAPRSGRLRQARRSCAATSGLSTMRTSTTKCRATCRSKAATVSVWA
AGASPTRVTRRFTCTAIPWPMVLPSTPFQLRKSKPSTPTTRSPGLTTATEHSQPGACCLQQPLQSPAFACPLA
GLALPAPAAASGDVLSTRPWRQASLATELNVLPHLPAS

3105/6881

FIGURE 2864

CCGGACGGACGCTCGTCTTCGCCCCGCCATGGCCGAGAGCGACTGGGACACGGTGACGGTGCTGCGCAAGAAGGGC
CCTACGGCCGCCCAGGCCAAATCCAAGCAGGCTATCTTAGCGGCACAGAGACGAGGAGAAGATGTGGAGACTTCC
AAGAAATGGGCTGCTGGCCAGAACAACAAACATTCTATTACCAAGAACACGGCCAAGCTGGACCGGGAGACAGAG
GAGCTGCACCATGACAGGGTGACCCTGGAGGTGGGCAAGGTGATCCAGCAAGGTCGGCAGAGCAAGGGGGCTTACG
CAGAAGGACCTGGCCACGAAAATCAATGAGAAGCCACAGGTGATCGCGGACTATGAGAGCGGACGGGGCCATACCC
AATAACCAGGTGCTTGGCAAAATCGAGCGGGCCATTGGCCTCAAGCTCCGGGGAAAGGACATTGGAAAGCCCATC
GAGAAGGGGGCCTAGGGCGAAATGAACACAAAGCCTCGAAATCAGTGCGCTCCAGCTGATCTCGTTCCGCCGGTTC
CCCTTGGCCGCCAGTTCCGTTCTCCTCACGGGCCGAACGGAACAAGGGGTCCAGCTTGCGGGGGACCCTCCCCAG
CCCATTCTGCTGTCAAACAAACAAAACCTTGCAAAGCG

3106/6881
FIGURE 2865

MAESDWDTVTVLRKKGPTAAQAKSQAILAAQRRGEDVETSKKWAAGQNKQHSITKNTAKLDRETEELHHDRTVL
EVGKVIQQGRQSKGLTQKDLATKINEKPQVIADYESGRAIPNNQVLGKIERAIGLKLRGKDIGKPIEKGPRAK

3107/6881
FIGURE 2866

ACGGCAACGGGGGCTCTACTGCGCGCTGGAGGACCACAAGATCCTGGAGGACATGGAGCGCCGGGGAGTGGAGT
TTGTGCACGTGTACTGTGTGGACAACATCCTGGTGC GGCTGGCGGACCCCTGTCTTCATCGGCTTCTGTGTGTTGC
AGGGCGCAGACTGTGGCGCCAAGGTGGTGGAAAAGGCATACCCCCGAGGAGCCCGTGGGCGTGGTGTGCCAGGTGG
ACGGTGTCCCCCAGGTGGTGGAGTACAGCGAGATCAGTCTTGAGACCGCACAGCTACGTGCCTCCGACGGGAGCC
TGCTGTACAATGCAGGCAACATCTGCAACCACCTTCTTCACCCGAGGCTTCCTTAAGGCGGTACCAGGGAGTTTG
AGCCTTTGTGTAAGCCACACGTGGCTGTGAAGAAGGTCCCGTATGTGGATGAGGAGGGGAATCTGGTAAAGCCGC
TAAAACCGAACGGGATAAAGATGGAGAAGTTTTGTGTTTGATGTGTTCCGGTTTGCTAAGAACTTTGCTGCCTTGG
AAGTGTGCGGGAGGAGGAATTTTCCCCACTGAAGAACGCAGAGCCAGCCGACAGGGACAGTCCCCGCACCGCTC
GCCAGGCCCTGCTCACCAGCACTACCGGTGGGCTCTGCGGGCCGGGGCCGCTTCCTGGATGCCCATGGGGCCT
GGCTCCCAGAGCTGCCCAGCTTGCCCCCAAATGGAGACCCTCCGGCCATCTGTGAGATATCGCCCTTGGTGTCTT
ACTCTGGAGAGGGTTTAGAAGTGTACCTGCAAGGCCGGGAGTTCCAGTCCCCGCTCATCTGGATGAAGACCAGG
CCAGGGAGCCGAGCTGCAGGAGTCTTGACCCGCCAGACTGTCCCCAGACTCCCCGAGACCTGCCAGCCCCGG
CATCTGGAAGTCCCGACTCCCCCAGACCTGCCAGCCCCGGCGCTCTGGAGCTGGGGGCTACAGCCCAGCCTGA
GCTCTGGGTGGGAAAGCAGCCTGCCCCATGCTTCAGCCTGCAGAACACAGAATGAAACATGCTGGTAGACTCCA
CGAGGGCAGGGCCTCTCTGTGCGCTCTGGACACAAGTGGCGACAGCCTGCTGGGGGCTCTGTGGCTCCATTCTT
GGCTGTGGGGTCTAGTCAAGAGGCAGAGGGACTTGGGACCTGGGAGAATGGGGCTGAGAGGAGGCTTCGGGTTGG
GGCCCAAGGGAGGTGTGGTGTCTATCTGGGGAGAACAGGAGGGCATGTCCCTTTGGGAGCCCGCCTTGTGGATCCA
CCACACCCACCGAGCACTAGAAGCTGCATAAGCTACACAGGATGTGCTTCTGCAGCCTACAGATGCAGAACAG
AATGAGGGGGACAATTCCACCCACTCGAGGGCTGCCCCCTCTTCCTTAGCAGACGAACCAGTAATGGGGGCAAGG
CTGGGGCATCCAGCCCACACACCCTGGATGCCAGCAAGGCCACAGAAAGAGCCTGATGTCCATGATCCAGGTG
GCTCTGAGAAGCTTGGCCTGGACACCTGAGCCTGCGGCCGGTACTCCTGCCTTCTCCCCATCTATCCCCAAGGCC
TCTGCCTCTCAGCCTCTTCCATGGTTCGGTTTAGGCTGCTGAGTTTTCTGTGCTTCCCCAAGAACCAGTGGGATCA
ATGCCGGCGGCCTCTGTGATGGTTGCTGACTAATCCGGGATTTTCATGAGTCAGAGGCACACCCCTCACCCAGC
TGCCTGTGCTTCTGACGGATCTTGGTGTCTAGGCTGCCTGGCTCTCCGAGTGAGGACGCAGCCTCCATATTTGG
TGCACTCAGGCATGGCTGGGACAAGCCAGCTGCCCCAGGGTTCTTCCCCTGGTGATTCTCGCCTGCTTTCTCATC
TCAGGGGAGGCAGTGGCACCTCCCTCTCCCTGCTGACATGAAGAGAGCTATGATATGCCACTGCTGCCAACTCAT
CCTCTGCCCCCACCTCGAAACCCACAGTCCCCAGTGGAGGGCCACTACTCATCCCCATTGGTTTCCCAGGGGAGG
GGTGTGTGTCTGGAAGGGCAGGTTTCAGATGCAGCCTTCCAGATTTAGAGGCACTGGGAGGACAGTGGCTGAGTGA
GGCGCCCAGACCTGGGCAGGCAGGCTCAGGCCACACCTTGTGATTTTTGAAACCAAAGCCCAGAAGATGAT
GTTTACTTCTCTCTCCCTGGCTCTGCCCTTCTTACTGCAAACCATGCTGTGCCTTAGGGCCCTTCTCATAGCTGT
TCCTCATGGCCATGACTGGAACAGGGATGCAACCTCTTTCTACACAAGCACAGTTAGTTGGGTGAAGTCTTTTTT
TTTGTGTTGTTTAGACGGAGTTTCACTCTTGTGCCCAGGCTGGAGTGAAGTGGCGTGACCTTGGCTCACTGCAA
CCTCCAGGCCAGCCTCAGCCTCCCTAGTAGCTGGGACTACAGGCACCCACTACCACGCCTGGCTAATTCTTTGTA
TTTTTAGTAGAGATGGGGTTTGACCGTGTAGCCAGGATGGTCTCGATCTCCTGACCTCGTGATCCACCCACCTC
GGCCTCCCAAAGTGCTGGGATTATAGGTGTGAGCCACCGCGCCGGGGCGGTTGCTGGCATCTTAATGTTCTGTAG
GTGGAATATTTCCAATAAACACAAGGTGCCGTAATTGACTGCT

3108/6881
FIGURE 2867

MERRGVEFVHVYCVDNILVRLADPVFIGFCVLQGADCGAKVVEKAYPEEPVGVVCQVDGVPQVVEYSEISPETAQ
LRASDGSLLYNAGNICNHFFTRGFLKAVTREFEPLLKPHVAVKKVPYVDEEGNLVKPLKPNGIKMEKFVFDVFRF
AKNFAALEVLREEEFSPLKNAEPADRDSPTARQALLTQHYRWALRAGARFLDAHGAWLPELPSLPPNGDPPAIC
EISPLVSYSGEGLEVYLQGREFQSPLILDEDQAREPQLQES

3109/6881
FIGURE 2868

TGCAGGAGAAATGGCTACTCATCACACGCTGTGGATGGGACTGGCCCTGCTGGGGGTGCTGGGCGACCTGCAGGCA
GCACCGGAGGCCCAGGTCTCCGTGCAGCCCAACTTCCAGCAGGACAAGTTCCCTGGGGCGCTGGTTCAGCGCGGGC
CTCGCCTCCAACCTCGAGCTGGCTCCGGGAGAAGAAGGCGGCGTTGTCCATGTGCAAGTCTGTGGTGGCCCCCTGCC
ACGGATGGTGGCCTCAACCTGACCTCCACCTTCCTCAGGAAAAACCAGTGTGAGACCCGAACCATGCTGCTGCAG
CCCGCGGGGTCCCTCGGCTCCTACAGCTACCGGAGTCCCCACTGGGGCAGCACCTACTCCGTGTCAGTGGTGGAG
ACCGACTACGACCAGTACGCGCTGCTGTACAGCCAGGGCAGCAAGGGCCCTGGCGAGGACTTCCGCATGGCCACC
CTCTACAGCCGAACCCAGACCCCCAGGGCTGAGTTAAAGGAGAAATTCACCGCCTTCTGCAAGGCCCAGGGCTTC
ACAGAGGATAACCATTTGTCTTCCTGCCCAAACCGATAAGTGCATGACGGAACAATAGGACTCCCAGGGCTGAAG
CTGGGATCCCGGCCAGCCAGGTGACCCCCACGCTCTGGATGTCTCTGCTCTGTTTCCTTCCCCGAGCCCCCTGCCCC
GGCTCCCCGCCAAAGCACCCCTGCCCACTCGGGCTTCATCCTGCACAATAAACTCCGGAAGCAAGTCAGTTAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAA

3110/6881
FIGURE 2869

MATHHTLWMGLALLGVLDLQAAPEAQVSVQPNFQQDKFLGRWFSAGLASNSSWLREKKAALSMCKSVVAPATDG
GLNLTSTFLRKNQCETRTMLLPAGSLGSSYSRSPHWGSTYSVSVVETDYDQYALLYSQGSKGPGEDFRMATLYS
RTQTPRAELKEKFTAFCKAQGFTEDTIVFLPQTDKCMTEQ

3111/6881
FIGURE 2870

GCGCAGGCGCAGTCTCCGCGTGCGCGCCTCGCCGGCGCCTCCATCCCGGATCCTTGCTGCAGCGTCAGCGCCGCC
GCCCCGTGCCTTTCCTCTTCCTCCTCCTCCTTGGCATCCGCCCTCTTCTTCCTCCTGCGTCCTCCCCCGCTGCC
TCCGCTGCTCCCGACGCGGAGCCCGAGCCCGCGCCGAGCCCCCTGGCCTCGCGGTGCCATGCTGCCCCGGCGGGCG
GCGCTGAAGGATGGCGACGCCGCTGCCTCCGCCCTCCCCGCGGCACCTGCGGCTGCTGCGGCTGCTGCTCTCCGG
CCTCGTCCTCGGCGCCGCCCTGCGTGGAGCCGCCGCCGGCCACCCGGATGTAGCCGCCTGTCCCGGGAGCCTGGA
CTGTGCCCTGAAGAGGCGGGCAAGGTGTCTCCTGGTGCACATGCCTGTGGGCCCTGCCTTCAGCCCTTCCAGGA
GGACCAGCAAGGGCTCTGTGTGCCCAGGATGCGCCGGCCTCCAGGCGGGGGCCGGCCCCAGCCAGACTGGAAGA
TGAGATTGACTTCCTGGCCCAGGAGCTTGCCCGGAAGGAGTCTGGACACTCAACTCCGCCCCCTACCCAAGGACCG
ACAGCGGCTCCCGGAGCCTGCCACCCTGGGCTTCTCGGCACGGGGGCAGGGGCTGGAGCTGGGCCTCCCCTCCAC
TCCAGGAACCCCCACGCCCACGCCCCACACCTCCATGGGCTCCCCTGTGTGTCATCCGACCCGGTGCACATGTCGCC
CCTGGAGCCCCGGGGAGGGCAAGGCGACGGCCTCGCCCTTGTGCTGATCCTGGCGTTCTGTGTGGCCGGTGCAGC
CGCCCTCTCCGTAGCCTCCCTCTGCTGGTGCAGGCTGCATCGTGAGATCCGCCTGACTCAGAAGGCCGACTACGC
CACTGCGAAGGCCCCCTGGCTCACCTGCAGCTCCCCGGATCTCGCCTGGGGACCAACGGCTGGCACAGAGCGCGGA
GATGTACCACTACCAGCACCAACGGCAACAGATGCTGTGCCTGGAGCGG

3112/6881
FIGURE 2871

CGGGGCTCGTGGCGTCGGGCCTGGCGGGCTCCCCGTTGGGCGGGGGCGGCGGTCCGAGCGGCTGCGGCAGCGGAA
GCGGGTCCGGGTCGCGCAGGGCGGGGGCGGCGCAGCGGGCGGAGGCGGCCGTGGGCCGCCTGGGCAGAATGTCAC
GATGGACGAGGGCGGCACGCCCCTGCTCCCCGACAGCCTGGTCTACCAGATCTTCCTGAGCCTGGGCCCCGGCCGA
CGTGTGGCCGCCGGGCTGGTGTGCCGCAATGGCAGGCCGTGTCGCGGGACGAGTTCCTGTGGAGGGAGCAGTT
CTACCGCTACTACCAGGTGGCCCGCGACGTGCCCCGACACCCAGCGGCCATGTCCTGGTACGAGGAGTTCCAGCG
GCTGTATGACACGGTGCCCTGCGTGGAGGTGCAGACGCTGCGGGAACACACAGACCAGGTCCTGCACCTCAGCTT
CTCCCATTCGGGTACCAAGTTCGCGTCTGCTCCAAGGACTGCACTGTGAAGATCTGGAGCAACGACCTGACCAT
CTCGCTGCTGCACAGCGCGGACATGCGGCCCTACAACCTGGAGCTACACCCAGTTCTCCAGTTCAACAAGGACGA
CTCGCTACTGCTGGCCTCGGGGGTGTTCCTGGGGCCGCACAACCTCCTCATCCGGCGAGATTGCTGTTCATCAGCCT
AGACTCCTTCGCGCTGCTGTCCGCGTGCAGAACAAAGCCCTATGACGTGTTTGGCTGTTGGCTCACCGAGACCAG
CCTCATCTCGGGGAACCTGCACCGCATCGGAGATATCACTCCTGCTCGGTGCTGTGGCTCAACAATGCCTTCCA
GGATGTGGAGTCAGAGAACGTCAACGTGGTGAAGCGGCTGTTCAAGATCCAGAACCTCAATGCCAGCACCGTCCG
CACGGTGATGGTGGCCGACTGCAGCCGCTTCGACAGCCCTGACCTGCTGCTGGAAGCCGGTGACCCGGCCACGTC
CCCCTGCCGCATCTTTGACCTGGGCAGCGACAACAGAXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXTCGGTACACCCCT
GCCGCCATGCTGCCCCGCTCGGTCTTAGGAGCTTGGGGGAGGCCGGGCAGGGGTCTGAGGGGCAGACAGCAAGC
AAGTCCACAGGCAAAGCTGGGATCGTTCACTCGCCCCCTGGGGTCACAAGCCAGACCTGGGGCCTGTGGGATGAG
CAGTGAAAAACAACGCAGGCAGGGCCGCTGGCCAGCAAGCAACCAGCGGCTGATTAGGTCTGGGGCCCCCGG
AGCAGGCAGTGCCACGGACCTCTGTGGTGCTCAGACCCCCAGAGACCACTGAGGTAGGAAGCTGCCCTGGAG
TGATGTCTTGGGGCATTGGACAGGGACCCTACCGTAGCCCTCCCTGCAGGCATCAAGCAGATCCTGCCACACC
AGATGACCACGGCAGGGCCCCGTGCTGGGTGAGGGCCGGGGCTCCGATGCCCTTCTTCGACGCGCTGGACCAGTCA
TAGACATACACGGACACATCATCGGCATGGGCCTGTGCCCCGACAACAGGTGGGCCTCTTGCCAGTGTCCCAGGC
GGGGTGCCCGCAGGCGGCCACACCTAGCACAGTGCCCCCTCGCCAGGTACCTGTACGTGAACAGCCGCGCCTGG
CCCAACGGTGCGGTGGTGGCCGACCCATGCAGCCGCCACCAATCGCGGAGGAGATTGACCTGCTGGTGTTCGAC
CTCAAGACCATGCGGGAGGTGAGGCGGGCTCTGCGTGCGCACCCGCGCTACACGCCCAACGACGAGTGCTTCTTC
ATCTTCCTGGACGTGAGCAGGGACTTCGTGGCCAGCGGGGCGGAGGACCGGCACGGCTACATCTGGGACCGCCAC
TACAACATCTGTCTGGCCAGGCTGCGGCACGAGGATGTGGTCAACTCAGTGGTCTTCAGTCCCCAGGAGCAGGAG
CTGCTGCTCACGGCCAGCGACGACGCCACCATCAAAGCCTGGCGCTCCCCACGCACCATGCGCGTCTCTCAGGCA
CCTCGCCACGGCCTCGCACCTTCTTCTCTGCTTGCCAGCCAGAGGCGCTGAGGTGTGCTGGGTGCACTGGAG
CCACCGGGACCCCTTGAGGACATCGCCAGGCTCTGTGGCTTTTCCCGAGCGGGAGAGGTGGAGATGCTTATAGC
AGTTACGCCTTAGGAAGGGGACAACCAGGCCCCGCCACACGCTCACACACAAACCTGCTCACGCAGCTGTGATGC
TTGGCACGGGGTGCCAGTGCAGATGGAGCCCAAGGCCCCCTCGGCCTCCTGGGCAACTTGGGGTACACAGGATA
CTGGGGGTGCCGCTCCTCACTCAACCCAGGCTAGGGGTACACCTGACCCAGCTGGCCTCGGCCCGGGGCACCTT
CGGCTGGTCTGTGGGGCCCTGGACGGTGGCCAGTGGTGGCAGGGGCTGCTCCTGGCTGTGGTGTGCGCCCCG
GGCTTGGGAGCGGCCGGTCACGCTGCTGTGGGCCGAGTGTGTTGCATGTCCACGCACCACCGTTACGGGCCCT
GAATAAACAGTTGGCAACAGC

3113/6881
FIGURE 2872

MDEGGTPLLPSLVYQIFLSLGPADVLAAGLVCRQWQAVSRDEFLWREQFYRYQVARDVPRHPAAMSWYEEFQR
LYDTVPCVEVQTLREHTDQVLHLSFSHSGYQFASCSKDCTVKIWSNDLTISLLHSADMRPYNWSYTQFSQFNKDD
SLLLASGVFLGPHNSSSGEIAVISLDSFALLSRVRNKPYDVFGCWLTETSLISGNLHRIGDITSCSVLWLNNAFQ
DVESENVNVKRLFKIQNLNASTVRTVMVADCSRFDSPDLLLEAGDPATSPCRIFDLGSDNRXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXGTPLPPCCPPRS

3114/6881
FIGURE 2873

GATTATTGATTAAATTTGGGCACCGCGAGGGCTCGAGTCCCCCACACCACTGCCCGGCCTGCGGGGGAGCACAGA
CAGCCCCGGGCCCTCCCGGCTGCAGGTCCCGGGCTTTCCCCGCGCGGTTGCCGGCTCCGCCCAGAGGAGCCGCGCC
CGGCGGAGGGGTAAGAAAGGCAGGGTCGCGGCGTCAACGCGGCGGCCGTCTCGAGTCCAGGGCCCCGCTCCTCCC
CGACCTCCCGACGCCACCTCACGGCCTCAGGGGGACTGGGCTCCCGGATCTGACCGGCTTCAAGCTCAAGCCCTA
CGTGAGCTACCTCGCCCCTGAGAGCGAGGAGACGCCCCTGACGGCCGCGCAGCTCTTCAGCGAAGCCGTGGCGCC
TGCCATCGAAAAGGACTTCAAGGACGGTACCTTCGACCCTGACAACCTGGAAAAGTACGGCTTCGAGCCCACACA
GGAGGGAAAGCTCTTCCAGCTCTACCCAGGAACTTCCTGCGCTAGCTGGGCGGGGAGGGGCGGCCTGCCCTCA
TCTCATTTCTATTAAACGCCTTTGCCAGCTA

3115/6881
FIGURE 2874

CTGAGCTGTCCCTGCAGGACTCCAGTGGAAGTGAAAGAACTGGGCACCGGGGAAAAGCTAGGATGTCCCACACTC
CTACACCATGCAGGGAACCTCGGGCACAGGCCGGGCTGGGCCGGGATCAGATGGGAAGCAGAAGCTCATCATGACC
AGAAACTGTTTCCCTACGGAGAGCACTTGGAGATGGCAATGCTGAACCTCACACTGTAGGACTCACACACGACTC
TAACGGGATTGTAAGAATCAAGTCACTCTCATGGGAAGAATTTTATATGGGAAAGCGGCTAAACTTTTCATTGG
ACTGGAATGTTTGGAGATTGTTAAATTCCAAATCAGGAACCACAACTGCCCTCTAATAAGATATCAGCTGTCTA
AGCGTGTGGGTGCCGCCCTTTCTGCCAGTAGTTCTGGTTCTTAAGAAAAGCACCATAAATCAGACATGAAAATTCT
GGCTCCAAAATAGCATTCTTTGTGCAAATAAAAACGTGTGTATCAAGTATGACGTTCCCCAACGTGGACAC
ACTTGGTTCTTCAGAAAGCCAAGCCCGCTGCAGCTGCCACATCCAGGGCTTATGGTGCAGCAGGTGCTTTTTTC
AAGACAGGAATCAAAGTGTTAGGAACACGGCAGACAGGTGACACCTGGATACCAAATGCAGGATGAGGAGTACTG
CAGAGGTCACAGGGAAGTCACAGAACAGTAATACGCTAGCAGGGGCATGGGGCGTGAAGAACAGAAGAAGACAGT
TTGAGAAAAGCATCTGCAAATGCTAAAGAGCAGAGCTTACCTCATTGCCTGTCCCCATCCCATCCCAGGTCACC
ACCTGGCTGACCCCAGGTCCCCGACCCAACAACAACCCCTCCCAAGTCCCTAACTCCCTCACTTGGACTTGAGAC
CCTTCACAACCCAGCAGCGCTCCGCCTCCAACGTGACATCATGCTTTCTGGAAGCTTCCCCGTATGTCCCACTTT
CCCACACTTGGTGCCTTGGAGCACCTTCCGGCCTCTACATGCTGTACGTTCCCCTGTGATCACCTCCTCTCGGC
CTCTGGCCAACACAGTCCCACCCATCTGTGGGTAACAAGGGGGTGTGTGTGTTCTTTTCAGCCTTGCTAAACTGT
CTGAATCAAGGATCACAACTACAGCCTGCAGGCCAAAGCCAGCCACAGCCTGTGTTTGTAAATAAAGCTTTAT
TGGAACAAAGCCACACCCCTTAATCTACAGATGATCTGTGGCTACTTTCACACCACAACAGAGTACCATGGTTCT
GACAGAGACTGGGGGACCCTGTCTAAATGACTTCTGACCTGGACCTTACTGAAAATCCTCCCAATCATTCTGTT
GACAAGAATGGTGTATTACTTTTTGCAATAAGAAACAAGTAACCTTTGCAGAATTCCACCCATCTTTCAAGGCTG
ATCCCAGAAGTTCCCTCTGCCCACGCACCTACCTGATCCTGATCACTTCCTAAACTGCAGCCCGGGCCACCCGGC
TCCAGCATCATTTGTGGAGTCTCAGCTCCATAAATCCAGAGGGCAGGTGGGGGTGTGTCCTAACTTTCCCGAGCC
TACTGTACCGAAACAGGACAGCAGAGTAGGAAGCCTCTGTGACTTCTGCTCCCTCCCTAGCTTTTCCACCAGACC
CTGCATGGTCCCACCTGGCTGTGTGAAGCAAGGATCAGGGAGCGTGGCTCTATGTCAGTCTCCAGAACCCTGTC
CACCTGGCGTGGTGGCAGACATGGCTACCTGCAGCTGAGCTGCCAGTTCCTCTGAGTCTCAAAGACCAGGCCA
TTTTCTTCATGTTTCACCAGCTCATGTAACTGCAGAGAGAACCAAGGGAGCCTGAGAGCTGCCTGGGGAAGACA
CCAGACGCCCTGGGTGCCAGCTGGGCTCCCACCCACCCACGCTCAAGCCAGGCTGGGGGTGGAACAGGGTGT
GTGGTTTCTGGGAGCTGGTTCTTAGATTTGGCATCTGAAGGGTATAAAGGCCTGGGGGGTGCACATCAAAATGA
CCAAATCGATTTGAGGAGAGAGCCTTAAGGAAGGTTTGACCTTCTGTGCTGGATGCTCTTCAAGGACTGAAGAA
TTATTTTTGCATGTTTTCTTAATTCATGGCCATGGAACAAGTAAAGGCAACCCCTGGGGACTGGTTCAGCAC
ATAAAAGATGACTTTTCTAGGACACC

3116/6881
FIGURE 2875

GGCTACCAGGGCATGGTGGACGGAGGCTCAAACATCGCAGAGGCCGACTGGGAGAGTGTCTCCAGCATCCTGCAA
GTGGGCGGGACGATCATTGGCAGTGC GCGGTGCCAGGCCCTCCGCACGCGGGAAGGCCGCTGAAGGCTGCTTGC
AACCTGCTGCAGCGAGGCATCACCAACCTGTGTGTGATCGGCGGGGACGGGAGCCTCACCGGGGCCAACCTCTTC
CGGAAGGAGTGGAGTGGGCTGCTGGAGGAGCTGGCCAGGAACGGCCAGATCGATAAGGAGGCCGTGCAGAAGTAC
GCCTACCTCAACGTGGTGGGATGGTGGGCTCCATCGACAATGATTTCTGCGGCACCGACATGACCATCGGCACG
GACTCCGCCCTGCACAGGATCATCGAGGTGTCGACGCCATCATGACCACGGCCCAGAGCCACCAGAGGACCTTC
GTTCTGGAGGTGATGGGACGACACTGTGGGTACCTGGCCCTGGTGAGTGCCTTGGCCTGCGGTGCGGACTGGGTG
TTCCTTCCAGAATCTCCACCAGAGGAAGGCTGGGAGGAGCAGATGTGTGTCAAACCTCTCGGAGAACCGTGCCCGG
AAAAAAGGCTGAATATTATTATTGTGGCTGAAGGAGCAATTGATACCCAAAATAAACCCATCACCTCTGAGAAA
ATCAAAGAGCTTGTCTGCACGCAGCTGGGCTATGACACACGTGTGACCATCCTCGGGCAGTGCAGAGAGGAGGG
ACCCCTTCGGCATTTCGACAGGATCTTGGCCAGCCGATGGGAGTGGAGGCAGTCATCGCCTTGCTAGAGGCCACC
CCGGACACCCAGCTTGCCTGCTGTCACTGAACGGGAACACGCCGTGCGCCTGCCGCTGATGGAGTGCCTGCAG
ATGACTCAGGATGTGCAGAAGGCGATGGACGAGAGGAGATTTCAAGATGCGGTTGCACTCCGAGGGAGGAGCTTT
GCGGGCAACCTGAACACCTACAAGCGACTTGCCATCAAGCTGCCGGATGATCAGATCCCAAAGACCAATTGCAAC
GTAGCTGTCAACGTGGGGGCACCCGCGGCTGGGATGAACGCAGCCGTACGCTCAGCTGTGCGCGTGGGCATT
GCCGACGGCCACAGGATGCTCGCCATCTATGATGGCTTTGACGGCTTCGCCAAGGGCCAGATCAAAGAAATCGGC
TGGACAGATGTGCGGGGCTGGACCGGCCAAGGAGGCTCCATTCTTGGGACAAAACGCGTTCTCCCGGGGAAGTAC
TTGGAAGAGATCGCCACACAGATGCGCACGCACAGCATCAACGCGCTGCTGATCATCGGTGGATTTCGAGGCCTAC
CTGGGACTCCTGGAGCTGTGAGCCGCCCGGGAGAAGCACGAGGAGTTCTGTGTCCCATGGTCATGGTTCCCGCT
ACTGTGTCCAACAATGTGCCGGGTTCCGATTTAGCATCGGGGCAGACACCGCCCTGAACACTATCACCGACACC
TGCGACCGCATCAAGCAGTCCGCCAGCGGAACCAAGCGCGCGTGTTCATCATCGAGACCATGGGCGGCTACTGT
GGCTACCTGGCCAACATGGGGGGGCTCGCGGCCGGAGCTGATGCCGCATACATTTTCGAAGAGCCCTTCGACATC
AGGGATCTGCAGTCCAACGTGGAGCACCTGACGGAGAAAATGAAGACCACCATCCAGAGAGGCCCTGTGCTCAGA
AATGAGAGCTGCAGTGAAAACCTACACCACCGACTTCATTTACCAGCTGTATTCAGAAGAGGGCAAAGGCGTGTTT
GACTGCAGGAAGAACGTGCTGGGTACATGCAGCAGGGTGGGGCACCCCTCTCCATTTGATAGAACTTTGGAACC
AAAATCTCTGCCAGAGCTATGGAGTGGATCACTGCAAACTCAAGGAGGCCCGGGGCAGAGGAAAAAATTTACC
ACCGATGATTCCATTTGTGTGCTGGGAATAAGCAAAAGAAACGTTATTTTCAACCTGTGGCAGAGCTGAAGAAG
CAAACGGATTTTGAGCACAGGATCCCAAAGAACAGTGGTGGCTCAAGCTACGGCCCCCTCATGAAAATCCTGGCC
AAGTACAAGGCCAGCTATGACGTGTGCGACTCAGGCCAGCTGGAACATGTGCAGCCCTGGAGTGTCTGACCCAGT
CCCGCCTGCATGTGCCTGCAGCCACCGTGGACTGTCTGTTTTGTAACTTAAGTTATTTTATCAGCACTTTAT
GCACGTATTATTGACATTAATACCTAATCGGCGAGTGCCCATCTGCCCCACCTGCTCCAGTGCCTGCTGTCTGTG
GAGTGTGTCTCATGCTTTCAGATGTGCATATGAGCAGAATTAA

3117/6881
FIGURE 2876

GGGTGGGGCGTGTGACCCCTTAAAGGCGCCAGAGCCGCGGTACGGCTCAGGTTCCCGGTGCTTCGCGCGTC
TGCCGTTGTACAGGCCAGGGAGGTGGCACCACCAGGCGAAGCTTGGCGAGATTGTGTGCTCAAGCGGTACGGG
CGCCAATTGGCCGGGCGATGTGGCGTGGACTGGCGCTGGCGCGAGCGATTGGCTGCGCGGCCCGGGGGCGGGGCC
AGTGGGCGGTGCGCGCCGAGACTGTGCTCAAAGCGGGCGCCATCCGGGACCGGCGGTGTCTGTGGCCGGAGGC
TGATCAGTGTCTAGAACAGATCAGACATTTTGTAAATGATGCCTGAAATAAACACTAACCACCTCGACAAGCAAC
AGGTTCAACTCCTGGCAGAGATGTGTATCCTTATTGATGAAAATGACAATAAAATTGGAGCTGAGACCAAGAAGA
ATTGTCACCTGAACGAGAACATTGAGAAAGGATTATTGCATCGAGCTTTTAGTGTCTTCTTATTCAACACCGAAA
ATAAGCTTCTGCTACAGCAAAGATCAGATGCTAAGATTACCTTTCCAGGTTGTTTTACGAATACGTGTTGTAGTC
ATCCATTAAGCAATCCAGCCGAGCTTGAGGAAAGTGACGCCCTTGGAGTGAGGCGAGCAGCACAGAGACGGCTGA
AAGCTGAGCTAGGAATTCCTTGGAAGAGGTTCCCTCAGAAGAAATTAATTATTTAACACGAATTCACTACAAAG
CTCAGTCTGATGGTATCTGGGGTGAACATGAAATTGATTACATTTTGTGGTGAGGAAGAATGTAACCTTTGAATC
CAGATCCCAATGAGATTAAAGCTATTGTTATGTGTCAAAGGAAGAACTAAAAGAACTTCTGAAAAAGCAGCCA
GTGGTGAAATTAAGATAACGCCATGGTTTAAATTTATTGCAGCGACTTTTCTCTTTAAATGGTGGGATAACTTAA
ATCATTGTAATCAGTTTGTGACCATGAGAAAATATACAGAATGTGAATATGTAGGTAAATGATTACAGAAAAAT
TTATCTGCTTAACAACTTAGAATGACTTTTTCTTTTAAATTTAGTTCTATCATTAAATTTATCATTAAATTTAG
TTCTATCATTGTTACTATCATTAAATGTATTATATACACTGATACCTTTAAACTTGTGTGGAAAAAACTAACTTA
TAATTTTGTATCACACACCCTGGATATGTGTTCTGTTTCTAAGCGACATTTGTGAGAGATTATTGTAAATGAGA
GCGAGCAAATAAACTTAATTTAATCTTTGCAGATACATCTTATGGGAAATTTGAACAAATGAGTGAACTCTG
TTTTTAGTAGGCTGTGATAAACATTTCCGGAGCACTTGCGAGGACTTGCTATTTGCCAGGTGCTTTATGTATCA
TTAAATTTTTCTCATAGTTCAGAAAAATGTGCAAAGGAACTATTGTCTCGCTCCTTCAAACAGTCTTAATTAA
CTTTCATATTAGCAGATTAACTAGCAGAGCAGGTTCAAGGGAATTAATGATATGGACCCTAATTTGTATCAT
TCTGAGTTGATTGTGTGGTTTATTCACTTCTGGAACATGTTGATACTTACAGTCAGCCACTGCTTTTGATAAGTG
ATATTGATTAGGTTGAATCTTCTGTAAATAGTATTTACCAGTTAGCAAAGTCTGTGTTTTCAGAATTACAGTGA
GCACAGAGGTGTTTATAAAATGGGAATTGAGTCCCACTCGGTAAGAGTTGCTTAACTTGACACTGTTGACATTT
GGGCTGGATAAAACCCCTGTGGTGGGGTCTGTGCTGTGCATTGCAGGATGGTGAGCAGCGTCCCTCTCATGTGAC
ACCCACAGTTATGCCGATGTTGCCAGATGCCCTAGGGGACAGAGTCAACCCCCAACTGAGGACCACTGTCCTA
CAGAGTCAGGAAATATTGTAGGGAGAAAAAATAACAACAACAAAGGCCTGTGTTAATGTTAAATAGATGAGATT
ATGGAATGTGTATATTAATGTTAAAAATTGTACCTTGATCAATGTACTTTTTATAAACTTGCCATAGATATCTCA
GATTTGAAACCTCAAGACAGATTTATTATTCTTAAATGCTGTATGATAATGAAGAAAAATAAAATTTATTTCTT
GCAAAGTTAAATGTTTGTAAATTCAATAGAATGACTCATTTATGGTTAACTTTGGGCAATTTATAATTTAGAC
AAGACTGTTTAGCAAGTATTTTATTGAAAAGTAAAAAAATTGCAATTTAA

3118/6881
FIGURE 2877

MMPEINTNHLDKQQVQLLAEMCILIDENDNKIGAETKKNCHLNENIEKGLLHRAFSVFLFNTENKLLLQQRSDAK
ITFPGCFTNTCCSHPLSNPAELEESDALGVRRAAQRRKAELEGIPLEEVPEEINYLTIRIHYKAQSDGIWGEHEI
DYILLVRKNVTLNPDNEIKSYCYVSKEELKELLKKAASGEIKITPWFKIIAATFLFKWWDNLNHLNQFVDHEKI
YRM

3119/6881
FIGURE 2878

GGGGCTTGGTTGAACGGACTCACCAGGAAACGTGACTTTTCGTGTCCGACCTCTGCTGTATCAGGATTCGATTCTT
GGTGTTAAACAAGACAACGCTGAAGGCTCGGTGCAGCAGCCCTGCAAAGCTTTGTGTCTTAGGTTTCAGCGTGCT
GACGTTCTCTGGGCCCTGAAGTCACTGCTGCTGGCTGGTGTGCTGGCCACTTGGTCGTGCTGGCCTGTCTCCCAC
CGGGTGGATGCCCAGCGAGCTCTGGATGCTGTGTTTTTCCAGCGCTCTTGGGAGGTGGGCTGTGCCACTGCCTGG
CCCACCTGGCCACCTGGCCCAACATTACCTGAAGGGAAGCATGAACAGCCTTTGACGTGGGAGTGGCGACTGCT
GAGAGGGAACGTGTCTGTACACAAGCAATGTAGCCTTATGGGACCTGAGTGGAGCCCCAACCCACGCAGGGCGTGT
CTTCATGGCTTTTCTGGCCAATCTGATACCAAGATGCAGTGGCCAGAAGTACCTGCACTTCCACTCCTGTCAAG
TCTCTGCATGGCTATGGTGAGGAAGAGCTCTGCACTGGGCAAGGAAGTTGGCCGTCGAGTGAAGGAAATGGTGAT
GCTGGTGGCCCCTTTCCGGCAGTCAAGTTCCCTATCAAGGACATTCAGTTCTCGGAAAGTGGTGAAGGCACATGC
TTCCCTGCATGGTGGCCGCTCTCTCCACTCTCTAGAAATATTAGAGGCTAGGCTGCTGCTGTATGTCAGGGCTA
GTCCCTCTTCTATGAATCCAGAATAACTCTGAAGAAGCCGAGTAACAGGCATGAAGTGAAGAGAAATCGCTGTAA
CAGGAAGACAGCAAAGCAGATGCTAATGACCACACTATTTAACGAACTGGAACCAACGAGAAAAATACGGTATTAC
TGAAGACTGCACTTCCTTGAACAGAGTGCTCTTCTCAGCAAATCGGAAATGCCTACACAAATCGCTTTACAAGAA
AGACTGTTTTCAAAGCAGCACCTTTCTCAATGTTCTCGTTTCAGGTGACAATTCTTCTTGGTCTCAGCTCCAATTTT
ATTGTCATTTTTCATCAATAAGGATACACATCTCTGCCAGGAGTTGAACCTGTTGCTTGTGCGAGGTGGTTAGTGTT
TATTTCAGGCATCATTACAAAATGTCTGATCTGTTCTAGAACACTAATATTAAAGGAAAAGAGAAAG

3120/6881
FIGURE 2879

CCC GCGTGCATACGGCTGCCGGCATGGCACATTACAACCTTCAAGAAAATTACGGTGGTGCCGTCCGCCAAGGACT
TCATAGACCTCACGTTGTCTGAAGACTCAACGAAAGACTCCAACCGTTATTCATAAACATTACCAAATACATCGCA
TTAGACATTTTACATGAGAAAAGTCAAATTTACTCAACAGAATTACCATGATAGACTTTTCACAAATTCTAACAG
ATTTCCCCAAATTGGATGATATTCATCCGTTCTATGCTGATTTGATGAATATTCTCTACGACAAGGATCATTACA
AGTTGGCTCTGGGGCAAATAAATATTGCCAAAATTTAGTGGAACAATGTTGCTAAAGATTATGTGCGACTGATGA
AGTATGGCGACTCTCTCTACCGCTGCAAACAGCTGAAGCGTGCGGCCCTGGGACGGATGTGCACAGTGATCAAGA
GGCAGAAGCAGAGTTTGGAGTATTTGGAGCAAGTGCCTCAGCATTTATCCCGTTTGCCAACCAATTGATCCGAATA
CCAGGACCCTGCTTTTGTGTGGGTACCCAAATGTTGGGAAGTCCAGCTTCATCAACAAGGTGACGAGAGCAGACG
TGGATGTCCAGCCCTATGCGTTTCAACCAAGTCTCTGTTTGTGGGCACATGGATTATAAGTATCTACGTTGGC
AGGTTGTAGACACTCCTGGGATCCTGGACCACCCTCTGGAGGATAGGAACACCATCGAGATGCAGGCCATCACTG
CCCTGGCCCACCTCCGTGCTGCGGTCTGTATGTGATGGATTTGTCTGAGCAGTGTGGGCATGGGCTGAGGGAGC
AGCTAGAACTCTTCCAGAACATCAGACCTCTCTTCATCAACAAGCCTCTCATAGTTGTAGCCAACAAATGTGATG
TGAAGAGAATAGCTGAACCTTCTGAAGATGATCAGAAAATATTTACAGATTTGCAGTCTGAAGGATTCCCTGTAA
TAGAGACCAGCACCCTGACTGAGGAAGGTGTTATTAAGTTAAACAGAGGCTTGCGATAGGCTTTTGGCTCATC
GAGTGGAAACCAAATGAAGGGAATAAAGTGAATGAGGTGCTGAATAGACTGCACCTGGCTATCCCAACCAGGA
GGGACGATAAGGAGAGGCCCCCTTTTCATCCCTGAAGGAGTGGTGGCTCGCAGGAAGAGGATGGAACTGAGGAGT
CCAGGAAGAAGAGGGAACGAGATCTTGAGCTGGAATGGGAGATGATTATATTTTGGATCTTCAGAAGTACTGGG
ATTTAATGAATTTGTCTGAAAAACATGATAAGATACCAGAAATCTGGGAAGGCCATAATATAGCTGATTATATTG
ATCCAGCCATCATGAAGAAATTGGAAGAATTAGAAAAAGAAAGAGCTGAGAACAGCTGCTGGAGAGTATGACA
GTGTATCTGAGAGTGAAGACGAAGAGATGCTGGAATCCGACAGCTGGCAAAGCAAATTCGAGAGAAAAAGAGT
TGAAAAATCTGGAGTCCAAAGAAAAGAATACACAGGGACCCAGGATGCCGCGAACTGCTAAGAAGGTTTCAGAGGA
CAGTTTTGGAGAAGGAGATGCGTAGTCTTGGTGTGACATGGACGATAAAGACGATGCCCATACGCAGTCCAGG
CAAGAAGATCCCGGAGCATCACTAGGAAAAGAAAGCGGGAAGACTCTGCTCCCCGTCCTCTGTGGCCCGGAGTG
GGAGTTGCTCTCGAACTCCACGTGACGTTTCTGGTCTTAGGGATGTCAAGATGGTGAAGAAAGCCAAGACTATGA
TGAAGAATGCTCAGAAGAAGATGAATCGGTTGGGGAAGAAAGGGAGGCGGATAGACACGTGTTTGATATGAAGC
CCAAGCACTTGCTGTCTGGGAAGAGGAAAGCTGGTAAAAAGGACAGGAGATAGTATCCGTTTGGTTGGCGTGGCT
TCGCTAGAGTGTGCTGTTTATTTCTGGTTTGGCACAGTATGGTTTCATGAAATTGGAGCTCTGTATAAACTGA
AAAAGACAAAATAAGTAAAGCACTTGTTGCTTTGCTGAAAATATGGTTAACCTATATAGGTGTGGGAAATTTT
TGTCACCTGCATAATATTACAAATATTTTGGTAGACAGTGTTCCACATTTAATGGAGTATCAGTTGCTTCAGAT
TTTCAGAACTGGGAAGATTTACTGGTTTAACTAGGTTGTTTTTGATGGAGAAAAACCTTATTTTCTTTTGTAAAG
GCTGGGAGCAAACAGTTTATGAGTGTGTCGGAATCCCGTGCTTAAATACGCTCTTAAATTATTTCTAGTCTT
ATTTTACAATGTCTCATTGTAGTCTGTCTCAACTATTTTATCCAAAATAAACCTCCAGAAGAAAGT

3121/6881
FIGURE 2880

MAHYNEFKKITVVPsAKDFIDLTLsKTQRKTPTVlHKHYQlHRlRHFYMRKVKFTQQNYHDRLsQlILTDFPKLDDI
HFFYADLMNlLYDKDHYKLALGQlNlAKNLVDNVAKDYVRLMKYGDsLYRCKQLKRAALGRMCTVlKRQKQSLEY
LEQVRQHLSRLPTlDPNTRTLlLCGYPNVGKSSFINKVTRADVDVQPYAFTTKSLFVGHMDYKYLRWQVVDTPGI
LDHPLlEDRNTlEMQAITALAHlRAAVLYVMDLSEQCgHGLREQLElFQNIrPLFINKPLlVVANKCDVKRIAELS
EDDQKlFTDLQSEGFPVlETSTLlTEEGVlKVKTEACDRllLAHRVETKMKGnKVNEVLNRLHLAIPTRDDKERPP
FIPEGVVARRKRMETEEsRKKRERDLElEMGDDYlLDLQKYWDLMNlSEKHDKlPElWEGHNIADYIDPAIMKKL
EELEKEEELRTAAGEYDSVSESEDEEMLElRQLAKQlREKKKLKlLESKEKNTQGPRMPRTAKKVQRTVLEKEMR
SLGVDMDDKDDAHYAVQARRSRsITRKRKREDSAPPSSVARSGSCSRTPRDVSGLRDVKMVKKAKTMMKNAQKKM
NRLGKKGEADRHVFDMKPKHLLSGKRKAGKKDRR

3122/6881
FIGURE 2881

TGCTAACCAGGCCAGTGACAGAAATGGATTTCGAAATACCAGTGTGTGAAGCTGAATGATGGTCACTTCATGCCTG
TCCTGGGATTGGCACCTATGCGCCTGCAGAGGTTCCATAAAGTAAAGCTCTAGAGGCCGTCAAATTGGCAATAG
AAGCCGGGTTCCACCATATTGATTCTGCACATGTTTACAATAATGAGGAGCAGGTTGGACTGGCCATCCGAAGCA
AGATTGCAGATGGCAGTGTGAAGAGAGAAGACATATTCTACACTTCAAAGCTTTGGAGCAATTCCCATCGACCAG
AGTTGGTCCGACCAGCCTTGGAAGGTCAGTAAAAATCTTCAATTGGACTATGTTGACCTCTATCTTATTTCATT
TTCCAGTGTCTGTAAAGCCAGGTGAGGAAGTGATCCCAAAAGATGAAAATGGAAAAATACTATTTGACACAGTGG
ATCTCTGTGCCACATGGGAGGCCATGGAGAAGTGTAAGATGCAGGATTGGCCAAGTCCATCGGGGTGTCCAAC
TCAACCACAGGCTGCTGGAGATGATCCTCAACAAGCCAGGGCTCAAGTACAAGCCTGTCTGCAACCAGGTGGAAT
GTCATCCTTACTTCAACCAGAGAAAACCTGCTGGATTTCTGCAAGTCAAAGACATTGTTCTGGTTGCCTATAGTG
CTCTGGGATCCCATCGAGAAGAACCATGGGTGGACCCGAACCTCCCGGTGCTCTTGGAGGACCCAGTCCTTTGTG
CCTTGGCAAAAAAGCACAAAGCGAACCCAGCCCTGATTGCCCTGCGCTACCAGCTGCAGCGTGGGGTTGTGGTCC
TGGCCAAGAGCTACAATGAGCAGCGCATCAGACAGAACGTGCAGGTGTTTGAATTCCAGTTGACTTCAGAGGAGA
TGAAAGCCATAGATGGCCTAAACAGAAATGTGCGATATTTGACCCTTGATATTTTGTGGCCCCCTAATTATC
CATTTTCTGATGAATATTAACATGGAGGGCATTGCATGAGGTCTGCCAGAAGGCCCTGCGTGTGGATGGTGACAC
AGAGGATGGCTCTATGCTGGTGACTGGACACATCGCCTCTGGTTAAATCTCTCCTGCTTGGTGATTTAGCAAGC
TACAGCAAAGCCCATTGGCCAGAAAGGAAAGACAATAATTTTGTTTTTTCATTTTGAAAAATTAAATGCTCTCT
CCTAAAGATTCTTCACCT

3123/6881
FIGURE 2882

MDSKYQCVKLNDGHFMPVLGFGTYAPAEVPSKSKALEAVKLAIEAGFHHIDSAHVYNNEEQVGLAIRSKIADGSVK
REDIFYTSKLWSNSHRPELVRPALERSLKNLQLDYVDLYLIHFPVSVKPGEEVIPKDENGKILFDTVDLCATWEA
MEKCKDAGLAKSIGVSNFNHRLLEMILNKPGLKYKPVQNQVECHPYFNQRKLLDFCKSKDIVLVAYSALGSHREE
PWVDPNSPVLLEDPVLCALAKKHKRTPALIALRYQLQRGVVVLAKSYNEQRIRQNVQVFEFQLTSEEMKAIDGLN
RNVRYLTLDIFAGPPNYPFSDEY

3124/6881
FIGURE 2883

CTCTGAGGAGAAGCAGCAGCAAACATTTGCTAGTCAGACAAGTGACAGGGAATGGATTCCAAACAGCAGTGTGTA
AAGCTAAATGATGGCCACTTCATGCCTGTATTGGGATTTGGCACCTATGCACCTCCAGAGGTTCCGAGAAGTAAA
GCTTTGGAGGTCACAAAATTAGCAATAGAAGCTGGGTTCCGCCATATAGATTCTGCTCATTATACAATAATGAG
GAGCAGGTTGGACTGGCCATCCGAAGCAAGATTGCAGATGGCAGTGTGAAGAGAGAAGACATATTCTACACTTCA
AAGCTTTGGTCCACTTTTCATCGACCAGAGTTGGTCCGACCAGCCTTGGAAAACCTCACTGAAAAAAGCTCAATTG
GACTATGTTGACCTCTATCTTATTCATTCTCCAATGTCTCTAAAGCCAGGTGAGGAACTTTCACCAACAGATGAA
AATGGAAAAGTAATATTTGACATAGTGGATCTCTGTACCACCTGGGAGGCCATGGAGAAGTGTAAGGATGCAGGA
TTGGCCAAGTCCATTGGGGTGTCAAACCTTCAACCGCAGGCAGCTGGAGATGATCCTCAACAAGCCAGGACTCAAG
TACAAGCCTGTCTGCAACCAGGTAGAATGTCATCCGTATTTCAACCGGAGTAAATTGCTAGATTTCTGCAAGTCG
AAAGATATTGTTCTGGTTGCCTATAGTGCTCTGGGATCTCAACGAGACAAACGATGGGTGGACCCGAACCTCCCG
GTGCTCTTGGAGGACCCAGTCCTTTGTGCCTTGGCAAAAAGCACAAAGCGAACCCAGCCCTGATTGCCCTGCGC
TACCAGCTGCAGCGTGGGGTTGTGGTCCTGGCCAAGAGCTACAATGAGCAGCGCATCAGACAGAACGTGCAGGTT
TTTGAGTTCCAGTTGACTGCAGAGGACATGAAAGCCATAGATGGCCTAGACAGAAATCTCCACTATTTTAAACAGT
GATAGTTTTGCTAGCCACCCTAATTATCCATATTCAGATGAATATTAACATGGAGAGCTTTGCCTGATGTCTACC
AGAAGCCCTGTGTGTGGATGGTGACGCAGAGGACGTCTCTATGCCGGTGACTGGACATATCACCTCTACTTAAAT
CCGTCCTGTTTAGCGACTTCAGTCAACTACAGCTGAGTCCATAGGCCAGAAAGACAATAAAATTTTTATCATTG
AAAT

3125/6881
FIGURE 2884

MDSKQQCVKLNDGHFMPVLGFGTYAPPEVPRSKALEVTKLAIEAGFRHIDSAHLYNNEEQVGLAIRSKIADGSVK
REDIFYTSKLWSTFHRPELVVRPALENSLKKAQLDYVDLYLIHSPMSLKPGEELSPTDENGKVIFDIVDLCTTWEA
MEKCKDAGLAKSIGVSNFNRRQLEMILNKPGLKYKPCVNQVECHPYFNRSKLLDFCKSKDIVLVAYSALGSQRDK
RWVDPNSPVLLEDPVLCALAKKHKRTPALIALRYQLQRGVVVLAKSYNEQRIRQNVQVFEFQLTAEDMKAIDGLD
RNLHYFNSDSFASHPNYPYSDEY

3126/6881
FIGURE 2885

ATGGATCCCAAATATCAGTGTGTGGAGCTAAATGATGGTCATTTTCATGCCTGTATTAGGATTTGGCACCTGTGTA
CCTCCAGAGGTGATTGACTGCAGTGGAATGGTTTTCTCCGTTTTCTTTCTATAATTGAAGAAATTGTTTGTTCTTCC
AAGAATAGAGTTGTGGAGGTTACAAAATTAGCAATAGAAGCTGGTTTCTTCCATATTGATTCTGCTCATTATAC
AATAATGAGGAGCAGGTGGAATGTCAATCCTTACCTCAACCAGAGCAAAGTCTGGATTCTGCAAGTCAAAGAC
ATTGTTCTGGTTGCCCCACACCCTGATTGCTCTGTGCTACCAGCTGCAGCGTGGGGCTGTGGTCCTGGTCAAGAGC
TCCAATGAACAGCAGATCAGAGAGAACATGCAGGTTTTTGACTTTGAGTTGACTCCAGAGGACATGAAAGCCATT
GACAGCCTCAACGGAAATCTCCGACATGCTAAGTTACAATTTTAA

3127/6881
FIGURE 2886

MDPKYQCVELNDGHFMPVLGFGTCVPPEVIDCSGMVSPFLSIIIEIVCSSKNRVVEVTKLAIEAGFFHIDSAHLY
NNEEQVECHPYLNQSKLLDFCKSKDIVLVAHTLIALCYQLQRGAVVLVKSSNEQQIRENMQVDFDFELTPEDMKAI
DSLNGNLRHAKLQF

3128/6881
FIGURE 2887

CATTTTCACTGCGTTCAAGTATGCTTTTATGAGCTGGTGGTGCCATAGTTTTAGATTCCCTGTATCGAAAAGCTA
CAATTACATAAGGACAGATCTGTCTGGGTCGTTCAATAACGGTGTTGCCTGAAAGTTCGTAAAAGTAATACTTAA
TTATATTAAAAATTACAACATAACCAGATTTCCCATGATACCATGGTCTTGAATGAAGACAGTCGGAGTATTTGG
AAATGTATACACCTCTTTGGCTGGATCACCCAGAGTGGTAACAGCACTGCTGCCAACACGGAGTCCACACTGACA
TACCAATTTTACCTGCTTTTCAGTATCAAACAGAAGAAACCCGTAAGTGTCTTGAAGTTCTTCCTGAGTATAACT
ACTTGCTTTTTTTTGTGTTGGTAAAAAGTTTTGTATCTTTTCTGATAGGGACCCTGTCTCGATCTTCTCTAAGAGAG
AATGTAGCTGGGAGGGTGGTCTTAATTCATTTTACCAAGTATACCCTCAGAATTCTTTGACATAGTCCTGTTCTC
TGTTAATGTCATAAATGCCGTCCTTGGCGTGGCCGCCGCCCCGAGGACCTGAGATCCCGGCTCGGCCTCCTTCC
CATGCTTCTCCCGGCCGTGCTCTGCGTCCTCCCGGGCCCTCGCGACACCGGCGCACGTGGGAAGCACCAGTCGCC
GGCTCCGCGCTCCCGCGGGGACCCCCCTCAGGGGCACGCCGTCCGCCCCAGCCCCGGGGTCCTCGCCGCGGGCGC
TGACAGGGACGCCGCGGCCG

3129/6881
FIGURE 2888

MVLNEDSRSIWKCIHLFGWITQSGNSTAANTESTLTYQFYLLFSIKQKKPVSVLKFFLSITTCFFLLVKSFVSFL
IGTLRSSLRENVAGRVVLIHFHQVYPQNS

3130/6881
FIGURE 2889

CAATGCTACATTAACCCATTATGTAAGACCAATAAATGCAGAGCCAGTGTTTCAAGCACAGGAAATACCAGCAGG
CAGAAATGGCCAGTTTGGCTTAAGAATGGTGAGCCTGAAGCTGAGTTACATAAAGAAACCACAGGTCCAGGCACTGC
TGGCCCTCAGTCCAACACCACATCTTCTCTAAAAGGTGAACGCAAAGCCATCCACACGCTGCAAGATGTGTCAAC
ATGTGAAACAAAGGAGCTATTGAATGTGGGGTTTCCCTCCCTTTGTGCTGGTCCCTACCAAATACAGCAGACAC
CAAGGAAAACCTCAGTAAAGAGCCTTTGGCCTCCTTTGTTTCAGAATCCTTTGATACTTCTGTTTGTGGAATAGC
CACAGAGCACGTAGAAATTGAGAACAGTGGGGAGGGGCTCAGGGCTGAGGCTGGTTCTGAAACCCCTAGGCAGAGA
TGGAGAGGTCTGGTGTGAATTCCGACATGCACTATGAACCTCTCTGGAGATTCTGATCTAGACCTGCTTGGTGATTG
TAGAAATCCCAGACTGGATTTGGAGGATTCTTATACTTTAAGAGGTAGTTACACCAGGAAAAAAGATGTTCCAC
AGATGGCTATGAGTCGTCGTTGAACTTCCACAACAACAACCAAGAGGACTGGGGCTGCTCTAGCTGGGTTCAGG
CATGGAGACGAGCCTCCCTCCCGGGCACTGGACTGCTGCGGTAAAGAAAGAAGAGAAGTGTGTGCCGCCTTACGT
CCAAATCCGAGATCTCCACGGGATCCTCAGGACTTACGCCAATTCTCTATAACAAAAGAACTCAAAGATACCAT
GAGAACTTACACGGCCTGAGGAGGCACCCGAGTTTCAGTGCAACTGTGGCCTGCCAGCTCCTGGACAAGCAC
TTGGCAGGTGGCAGACGACCTCACCAGAACACTTTAGACCTGGAGTATCTGCGTTTTGCACATAAACTAAAACA
GACCATAAAGAATGGGGATTCTCAGCATTCTGCCTCCTCTGCCAATGTCTTTCAAAGGAGTCACCAACCCAGAT
CTCCATTGGTGCTTTCCCTTCGACAAAAATCTCTGAGGCCCATTTCTGCATCCTGCACCTAGGAGCAGAAGCCC
CCTTCTGGTAACAGTTGTGGAGTCAGATCCCAGACCACAGGGGAGCCAGGAGAGGCTACACAGCCAGCAGTCT
GGACAGCTCTTCTCTTGGAGAGAGAGATGTAGTCATAATAGAGATCTTAGAAATTCTCAAAGAAATCACACTGT
TTCATTCCACCTCAACAAACTGAAATACAACAGTACTGTGAAGGAATCTCGGAATGATATTTCACTTATTCTCAA
TGAGTATGCTGAATTCAACAAGGTGATGAAGAATAGCAACCAATTCATTTTCCAAGACAAAAGAGCTAAATGATGT
TTCTGGAGAAGCCACTGCTCAAGAGATGTATCTGCCTTTCCAGGACGGTCAGCCTCCTATGAAGACATAATCAT
AGACGTGTGCACCAATTTGCACGTCAAATAAGAAGTGTGTGAAAGAGGCTTGTAAGTACCTTCTGTTCTA
CCTTGTGCAACAGAAGACAAATCATTCTTTGTAAGAACAAGAACCTTCTGAGGAAAGGAGGCCATACAGAAAT
TGAACCTCAGCACTTCTGTCAAGCTTTCCACAGAGAGAATGATACACTAATCATCATCATCAGAAATGAAGATAT
ATCATCACATTTGCATCAGATTCCTTCTTTGCTGAAGCTGAAGCATTTCCTCCAGTGTCTCTTTGCTGGAGTAGA
CAGCCCTGGAGATGTTCTTGATCACACCTACCAAGAAGTGTTCGTGCAGGAGGCTTTGTGATATCAGATGACAA
GATACTAGAAGCTGTAACATTAGTTCAACTGAAGGAAATTATCAAAATCCTGGAAAACTAAATGGAAATGGAAG
ATGGAAGTGGTTGCTTCACTACAGGGAAAAATAAAAAGCTAAAAGAAGATGAAAGAGTGGATTCAACTGCACATAA
GAAGAACATAATGTTGAAGTCATTCAGAGTGCAATATCATTGAATTGCTTCATTATCACCAAGTGTGACTCTCG
ATCATCAACAAAAGCAGAAATTCTGAAATGTTTGCTAAACCTGCAAATTCAGCATATTGATGCCAGGTTTGCTGT
CCTCCTAACAGACAAGCCTACTATCCCCAGAGAAGTCTTTGAAAATAGTGGAATCCTTGTTACAGATGTAAATAA
CTTTATAGAAAACATAGAAAAAATAGCAGCTCCATTTAGGAGTAGCTATTGGTGACTCAACTACAGCCTGCCTGG
ATATGGATGATGCCAATAAAAAATTAGTATTTCCCTTTGGAAAACCTGTGAACATGTGAATACACATGTGAACA
GTCTTACATTTGAAAAACCAATGTTCTACAACCTTGGAAGTTTTCATTTTTATATTTTGCTGAAATATGTCACA
GTGGCATTGCAGTTGTCTGTAGCTTTGGGTTGCAGTGCTAGATATTGTTTAAATTATTTTCATTTTAAACAAG
ATGCCCTTCTAAGCTATTGAGCTTATTAATAAATAATTTTACATGTTTACTTAGTTGGAGCAAAAAATAAGTCTATTT
TAACAAATAGCTTTGTTTTTGCATGCTAATGTGAGAAAGGCATACGATGCACATTATGCTCTGTTTTAAAGGTTT
TACCACCTTTGTAATACTATAATCTTAAATGGTTTTATTTGCTGTTACACAAAACAACACTACATAAAACATTTT
TTCTTAAATGGTACAAATTTATAAACTATCATTTTTTCACTTACGGTATTTGTAAATACTACACTACAAAAATCAG
CTTTCTGAGAAAAGAAATAATCATTTATTTATGATATTGAAAATTTCTACAGTAAACACTCAAACCAAGCAAAAA
ACATTTGTAAGATACACGGTATCTATTTGGAGCAACGGTTTTTGTAACTAATGTGTTTCATTTTTTAAATAAAGA
CAACTAAAAATAA

3131/6881
FIGURE 2890

MASLLKNGEPEAELHKETTGPGTAGPQSNTTSSLKGERKAIHTLQDVSTCETKELLNVGVSSLCAGPYQNTADTK
ENLSKEPLASFVSESFDTSVCGIATEHVEIENSGEGLRAEAGSETLGRDGEVGVNSDMHYELSGDSDLDLLGDCR
NPRLDLEDSTYTLRGSYTRKKDVPTDGYESSLNFHNNNQEDWGCSSWVPGMETSLPPGHWTA AVKKEEKCVPPYVQ
IRDLHGILRTYANFSITKELKDTMRTSHGLRRHPSFSANCGLPSSWTSTWQVADDLTQNTLDLEYLRFAHKLKQT
IKNGDSQHSASSANVFPKESPTQISIGAFPSTKISEAPFLHPAPRSRSPLLVTVVESDPRPQGQPRRGYTASSLD
SSSSWRERC SHNRDLRNSQRNHTVSFHLNKLKYNSTVKESRNDISLILNEYAEFNKVMKNSNQFIFQDKELNDVS
GEATAQEMYLPFFGRSASYEDIIIDVCTNLHVKLRSVVKEACKSTFLFYLVETEDKSFFVRTKNLLRKGGHTEIE
POHFCQAFHRENDTLIIIRNEDISSHLHQIPSLKLLKHFP SVIFAGVDS PGDVL DHTYQELFRAGGFVISDDKI
LEAVTLVQLKEIIKILEKLNNGRWWLLHYRENKKLKEDERVDSTAHKKNIMLKSFQSANI IELLHYHQDSRS
STKAEILKCLLNLQIQHIDARFAVLLTDKPTIPREVFENS GILVTDVNNF IENIEKIAAPFRSSYW

3132/6881
FIGURE 2891

GGCGGTCGGTCTCGCCTTGTCGCCAGCTCCATTTTCCTCTCTTTCTCTTCCCCTTTCCTTCGCGCCCAAGAGCGC
CTCCCAGCCTCGTAGGGTGGTCACGGAGCCCCCTGCGCCTTTTCCTTGCTCGGGTCCTGCGTCCGCGCCTGCCCCG
CCATGAATGAGGAGTACGACGTGATCGTGCTGGGCACCGGCCTGACGGAATGTATCCTGTCAGGTATAATGTCAG
TGAATGGCAAGAAAGTTCTTCATATGGATCGAAACCCTTACTACGGAGGAGAAAGTGCATCTATAACACCATTGG
AAGATTTATACAAAAGATTTAAATACCAGGATCACCACCCGAGTCAATGGGGAGAGGAAGAGACTGGAATGTTG
ACTTGATTCCCAAGTTCCTTATGGCTAATGGTCAGCTGGTTAAGATGCTGCTTTATACAGAGGTAACCTCGCTATC
TGGATTTTAAAGTGAAGGGAGCTTTGTCTATAAGGGTGGAAAAATCTACAAGGTTCCCTTCCACTGAAGCAG
AAGCCCTGGCATCTAGCCTAATGGGATTGTTTGAAAAACGTCGCTTCAGGAAATTCCTAGTGTATGTTGCCAACT
TCGATGAAAAAGATCCAAGAATTTTGAAGGCATTGATCCTAAGAAGACCACAATGCGAGATGTGTATAAGAAAT
TTGATTTGGGTCAAGACGTTATAGATTTTACTGGTCATGCTCTTGCACTTTACAGAATGATGATTACTTAGATC
AACCGTGTATGAAACCATTAAATAGAATTAACCTTTACAGTGAATCTTTGGCAAGATATGGCAAAAGCCCATACC
TTTATCCACTCTATGGCCTTGGAGAATGCCCCAAGGATTTGCAAGGCTAAGTGCTATTTATGGAGGTACCTATA
TGCTGAATAAACCCATTGAAGAAATCATTGTACAGAATGGAAAAGTAATTGGTGTAATCTGAAGGAGAAATTG
CTCGCTGTAAGCAGCTCATCTGTGACCCAGCTACGTAAAAGATCGGGTAGAAAAAGTGGGCCAGGTGATCAGAG
TTATTTGCATCCTCAGCCACCCCATCAAGAACACCAATGATGCCAACTCCTGCCAGATCATTATCCACAGAACC
AAGTCAATCGAAAGTCAGATATCTACGTCTGCATGATCTCCTTTGCGCACAATGTAGCAGCACAAGGGAAGTACA
TTGCTATAGTTAGTACAATGTGGAAACCAAGGAGCCTGAGAAGGAAATCAGACCAGCTTTGGAGCTCTTGGAAC
CAATTGAACAGAAATTTGTTAGCATCAGTGACCTCCTGGTACCAAAAGACTTGGGAACAGAAAGCCAGATCTTTA
TTTCCCGCACATATGATGCCACCACCTCATTTTGTAGACAACGTGTGATGACATTAAAAACATCTATAAGAGGATGA
CAGGATCAGAGTTTGACTTTGAGGAAATGAAGCGCAAGAAGAATGACATCTATGGGGGAAGACTTAACAGCAGTACA
TGTTATTATGTAATTAGGACACATTTAAAATTTGGCAAATAATGCATATAATGAAATCAATATTGTAAGGCCTGC
TTTTGTAAATGAAAATGGAGAGAATGAAGAGCGCTGTGCCAGTAAATACTCCCCTTCACCTTTCTAATTATTAAT
TGTTTTCATGGAGTGGCTATTCAGCATTGGCAGTTACCACATTCTGTTCAATTTAACCAAATGGCTTTTTTTTTT
TTTCTAGTGAAGTTAAACAAACATTGGGATACCGACACAGACAACCTTGAGACAGTTTTTTTTAATCTTTTAATCAG
TGTAAGCTATGTGCTGCTGCTCAAGAGCTGGATCCATACAGGTTGTGTGTCATCTGTCTCTTGAGGTTCCAGG
AGATTCTAAATTGAATATTCACGGTTTGGGACAGCATCCGGAAGTTTTCCCTATGACTTTATATTTTGTATTAT
GTCAAATGTTATGGCAGGGCCCAAATAGCATAGCCACAAGTTTGGTTTATGTGGGCATAAAATTTCTAACCAAACC
CCAGACATAGGGAGTCATTTGGAGAAAGCCTGTATGTGGTGTTTTAACTAATAAAGTTGATGAGAGAGAAGGGG
AGAGGAAGCGAACATAAAGCGGGTCAAGTGTAGTGCATCTTTTGTATCTCAGGCGTGGCTTCTTCAGTGGACCAA
GCTGCAATGCAGTATTGACTTGACAGAGCCTCTACTTCTGTCTCAAAATGGCTCCAAATGATTTCTGTACTGCAA
AATAAAGCCAAATTTCTGGAAACTA

3133/6881
FIGURE 2892

MNEEYDVIVLGTGLTECILSGIMSVNGKKVLHMDRNPYYGGESASITPLEDLYKRFKIPGSPPEMGRGRDWNVD
LIPKFLMANGQLVKMLLYTEVTRYLDFKVTEGSFVYKGGKIYKVPSTAEALASSLMGLFEKRRFRKFLVYVANF
DEKDPRTFEGIDPKKTTMRDVYKKFDLGQDVIDFTGHALALYRTDDYLDQPCYETINRIKLYSESLARYGKSPYL
YPLYGLGELPQG FARLSAIYGGTYMLNKPIEEIIVQNGKVIGVKSEGEIARCKQLICDPSYVKDRVEKVGQVIRV
ICILSHPIKNTNDANSCQIIIPQNQVNRKSDIYVCMISFAHNVAAGKYIAIVSTTVETKEPEKEIRPALELLEP
IEQKFVSISDLLVPKDLGTESQIFISRTYDATTHFETTCDDIKNIYKRMTGSEFD FEEMKRKKNDIYGED

)

3134/6881
FIGURE 2893

GGCACGAGGGACTCAGCGAAGGGTGGGCGCCGCCGAGGCCTCCTGCCGCTGGCGGGTTTTCCGCGGAGTGCCGCCC
GGCTCCGCTCTGCCGCCGGCGCGGCTCATGGGCAGAGTCGGCCGGGCGGGCCGGCATTAAACTGAAGAAAAGATG

TCCCTGTACGATGACCTAGGAGTGGAGACCAGTGACTCAAAAACAGAAGGCTGGTCCAAAACTTCAAACCTCTG
CAGTCTCAGCTTCAGGTGAAGAAGGCAGCTCTCACTCAGGCAAAGAGCCAAAGGACGAAACAAAGTACAGTCCTC
GCCCCAGTCATTGACCTGAAGCGAGGTGGCTCCTCAGATGACCGGCAAATTGTGGACACTCCACCGCATGTAGCA
GCTGGGCTGAAGGATCCTGTTCCAGTGGGTTTTCTGCAGGGGAAGTTCTGATTCCCTTAGCTGACGAATATGAC
CCTATGTTTCCTAATGATTATGAGAAAGTAGTGAAGCGCCAAAGAGAGGAACGACAGAGACAGCGGGAGCTGGAA
AGACAAAAGGAAATAGAAGAAAGGGAAAAAAGGCGTAAAGACAGACATGAAGCAAGTGGGTTTGCAAGGAGACCA
GATCCAGATTCTGATGAAGATGAAGATTATGAGCGAGAGAGGAGGAAAAGAAGTATGGGCGGAGCTGCCATTGCC
CCACCCACTTCTCTGGTAGAGAAAGACAAAGAGTTACCCCGAGATTTTCCTTATGAAGAGGACTCAAGACCTCGA
TCACAGTCTTCCAAAGCAGCCATTCTCCCCCAGTGACGAGGAACAAGACAGACCGAGATCTCCAACCGGACCT
AGCAACTCCTTCCTCGCTAACATGGGGGGCACGGTGGCGCACAAAGATCATGCAGAAGTACGGCTTCCGGGAGGGC
CAGGGTCTGGGGAAGCATGAGCAGGGCCTGAGCACTGCCTTGTCAGTGGAGAAGACCAGCAAGCGTGGCGGCAAG
ATCATCGTGGGCGACGCCACAGAGAAAGATGCATCCAAGAAGTCAGATTCAAATCCGCTGACTGAAATACTTAAG
TGTCCTACTAAAGTGGTCTTACTAAGGAACATGGTTGGTGCGGGAGAGGTGGATGAAGACTTGGAAGTTGAAACC
AAGGAAGAATGTGAAAAATATGGCAAAGTTGGAAGTGTGTGATATTTGAAATTCCTGGTGGCCCTGATGATGAA
GCAGTACGGATATTTTTAGAATTTGAGAGAGTTGAATCAGCAATTAAAGCGGTTGTTGACTTGAATGGGAGGTAT
TTTGGTGGACGGGTGGTAAAAGCATGTTTCTACAATTTGGACAAATTCAGGGTCTTGATTGTTGGCAGAACAAAGTT
TGATTTTAAGAACTAGAGCACGAGTCATCTCCGGTGATCCTTAAATGAAGTGCAGGCTGAGAAAAGAAGGAAAAA
GGTCACAGCCTCCATGGCTGTTGCATACCAAGACTCTTGGAAGGACTTCTAAGATATATGTTGATTGATCCCTTT
TTTATTTTGTGGTTTTTTAATATAGTATAAAAAATCCTTTTAAAAAACAAAAAAAAAAAAAAAAAAAAA

3135/6881
FIGURE 2894

MSLYDDLGVETSDSKTEGWSKNFKLLQSQLQVKKAAALTQAKSQRTKQSTVLAPVIDLKRGGSSDDRQIVDTPPHV
AAGLKDEVPSPGFSAGEVLIPLADEYDPMFPNDYKVVKRQREERQRELERQKEIEEREKRRKDRHEASGFARR
PDPDSDEDEDYERERRKRSMGGAIA PPTSLVEKDKELPRDFPYEEDSRPRSQSSKAAIPPPVYEEQDRPRSPTG
PSNSFLANMGGTVAHKIMQKYGFREGQGLGKHEQGLSTALSVEKTSKRGGKIIVGDATEKDASKKSDSNPLTEIL
KCPTKVLLRNMGAGEVDEDLEVETKEECEKYGKVGKCVIFEIPGAPDDEAVRIFLEFERVESAIKAVVDLNGR
YFGGRVVKACFYNLDKFRVLDLAEQV

3136/6881
FIGURE 2895

CTGACCGACCTTCAGCAGGGCTGTGGCTACCAATGTTCTCTCGCGCGGGTGTGCTGGGCTGTGCGGCCTGGACCTT
GCAGCCGCAATGGATTCAAGTTCGAAATATGGCAACTTTGAAAGATATCACCAGGAGACTAAAGTCCATCAAAAA
CATCCAGAAAAATTACCAAGTCTATGAAATGGTAGCGGCAGCAAAATATGCCCAGCTGAGAGAGAGCTGAAACC
AGCTCGAATATATGGATTGGGATCTTTAGCTCTGTATGAAAAAGCTGATATCAAGGGGCCTGAAGACAAGAAGAA
ACACCTCCTTATTGGTGTGTCTCAGATCGAGGACTGTGTGGTGCTATTCATTCTCCATTGCTAAACAGATGAA
AAGCGAGGTTGCTACACTAACAGCAGCTGGGAAAGAAGTTATGCTTGTTGGAATTGGTGACAAAATCAGAGGCAT
ACTTTATAGGACTCATTCTGACCAGTTTCTGGTGGCATTCAAAGAAGTGGGAAGAAAGCCCCCACTTTTGGAGA
TGCGTCAGTCATTGCCCTTGAATTACTAAATTCTGGATATGAATTTGATGAAGGCTCCATCATCTTTAATAAATT
CAGGTCTGTCATCTCCTATAAGACAGAAGAAAAGCCCATCTTTTCCCTTAATACCGTTGCAAGTGCTGACAGCAT
GAGTATCTATGACGATATTGATGCTGACGTGCTGCAAAATTACCAAGAATACAATCTGGCCAACATCATCTACTA
CTCTCTGAAGGAGTCCACCACTAGTGAGCAGAGTGCCAGGATGACAGCCATGGACAATGCCAGCAAGAATGCTTC
TGAGATGATTGACAAATTGACATTGACATTCAACCGTACCCGCCAAGCTGTCATCACAAAAGAGTTGATTGAAAT
TATCTCTGGTGCTGCAGCTCTGTAAAGAAGGAAAATTCAGCCAGTTGATTTTGTTTTGTAGCTTACTGCTGCCTTT
GTCCGAAGAACTGTTCCCTCCATTATTTGAATTACTGAAGACAGCAAGATATTTGTAAATTATCTTAAAATAAAC
AACTTAAAATAAAATCATTGTTTTTCTT

3137/6881
FIGURE 2896

MFSRAGVAGLSAWTLQPQWIQVRNMATLKDITRRLKSIKNIQKITKSMKMVAAAKYARAERELKPARIYGLGSLA
LYEKADIKGPEDKKKHLIGVSSDRGLCGAIHSSIAQMKSEVATLTAAGKEVMLVGIGDKIRGILYRTHSDQFL
VAFKEVGRKPPTFGDASVIALELLNSGYEFDEGSIIFNKFRSVISYKTEEKPIFSLNTVASADSMSIYDDIDADV
LQNYQEYNLANIIYYSLKESTTSEQSARMTAMDNASKNASEMIDKLTLTFNRTRQAVITKELIEIISGAAAL

3138/6881
FIGURE 2897

TCCCAGCCTTCCCATCCCCCACCAGAAAGCAAATCATTCAACGACCCCCGACCCTCCGACGGCAGGAGCCCCCGG
ACCTCCCAGGCGGACCGCCCTCCCTCCCCGCGCGCGGGTTCCGGGCCCCGCGAGAGGGCGCGAGCACAGCCGAGG
CCATGGAGGTGACGGCGGACCAGCCGCGCTGGGTGAGCCACCACCACCCCGCCGTGCTCAACGGGCAGCACCCGG
ACACGCACCACCCGGGCTCAGCCACTCCTACATGGACGCGGCGCAGTACCCGCTGCCGGAGGAGGTGGATGTGC
TTTTTAACATCGACGGTCAAGGCAACCACGTCCCCGCCCTACTACGGAAACTCGGTGAGGGCCACGGTGCAGAGGT
ACCCTCCGACCCACCACGGGAGCCAGGTGTGCCGCCCCGCTCTGCTTCATGGATCCCTACCCTGGCTGGACGGCG
GCAAAGCCCTGGGCAGCCACCACACCGCCTCCCCCTGGAATCTCAGCCCCCTTCTCCAAGACGTCCATCCACCACG
GCTCCCCGGGGCCCCCTCTCCGTCTACCCCCGGCCTCGTCCTCCTCCTGTGCGGGGGGCCACGCCAGCCCGCACC
TCTTACCTTCCCGCCACCCCGCCGAAGGACGTCTCCCGGACCCATCGCTGTCCACCCAGGCTCGGCCGGCT
CGGCCCGGCAGGACGAGAAAGAGTGCCTCAAGTACCAGGTGCCCTGCCGACAGCATGAAGCTGGAGTCGTCCC
ACTCCCGTGGCAGCATGACCGCCCTGGGTGGAGCCTCCTCGTCGACCCACCACCCCATCACCACCTACCCGCCCT
ACGTGCCCGAGTACAGCTCCGACTCTTCCCCCCCAGCAGCCTGCTGGGCGGCTCCCCACCGGCTTCGGATGCA
AGTCCAGGCCCAAGGCCCGGTCCAGCACAGGCAGGGAGTGTGTGAACTGTGGGGCAACCTCGACCCCACTGTGGC
GGCGAGATGGCACGGGACACTACCTGTGCAACGCCTGCGGGCTCTATCACAAAATGAACGGACAGAACCGGCCCC
TCATTAAGCCCCAAGCGAAGGCTGTCTGCAGCCAGGAGAGCAGGGACGTCTGTGCGAACTGTGAGACCACCACAA
CCACACTCTGGAGGAGGAATGCCAATGGGGACCCTGTCTGCAATGCCTGTGGGCTCTACTACAAGCTTCACAATA
TTAACAGACCCCTGACTATGAAGAAGGAAGGCATCCAGACCAGAAAACCGAAAAATGTCTAGCAAATCCAAAAAGT
GCAAAAAAGTGCATGACTCACTGGAGGACTTCCCCAAGAACAGCTCGTTTAACCCGGCCGCCCTCTCCAGACACA
TGTCTCCTGAGCCACATCTCGCCCTTCAGCCACTCCAGCCACATGCTGACCACGCCCACGCCGATGCACCCGC
CATCCAGCCTGTCTTTGGACCACACCACCCCTCCAGCATGGTCACCGCCATGGGTAGAGCCCTGCTCGATGCT
CACAGGGCCCCCAGCGAGAGTCCCTGCAGTCCCTTTCGACTTGCATTTTTCAGGAGCAGTATCATGAAGCCTAA
ACGCGATGGATATATGTTTTTGAAGGCAGAAAGCAAATATGTTTGCCACTTTGCAAAGGAGCTCACTGTGGTG
TCTGTGTTCCAACCACTGAATCTGGACCCCATCTGTGAATAAGCCATTCTGACTCATATCCCTATTTAACAGGG
TCTCTAGTGCTGTGAAAAAAAAAATGCTGAACATTGCATATAACTTATATTGTAAGAAATACTGTACAATGACTT
TATTGCATCTGGGTAGCTGTAAGGCATGAAGGATGCCAAGAAGTTTAAGGAATATGGGAGAAATAGTGTGAAAT
TAAGAAGAACTAGGTCTGATATTCAAATGGACAAACTGCCAGTTTTGTTTCCTTTCAGTGGCCACAGTTGTTTG
ATGCATTAAAAAGAAAATAAAAAAAGAAAAAGAGAAAAAGAAAAAAGTGTAGGCGAATCATTTG
TTCAAAGCTGTTGGCCTCTGCAAAGGAAATACCAGTTCTGGGCAATCAGTGTTACCGTTCACCAAGTTGCCGTTGA
GGGTTTCAGAGAGCCTTTTTCTAGGCCTACATGCTTTGTGAACAAGTCCCTGTAATTGTTGTTTGTATGTATAAT
TCAAAGCACCAAAATAAGAAAAGATGTAGATTTATTTTCATCATATTATACAGACCGAACTGTTGTATAAATTTAT
TTACTGCTAGTCTTAAGAACTGCTTTCTTTGTTTTGTTTTCAATATTTTCTTCTCTCAATTTTTGTTG
AATAAACTAGATTACATTCAGTTGGC

3139/6881
FIGURE 2898

TGGCACCGGCATCGGCTGACACTGCTGCCTCCAGCTAGTTATTTTCGTCCCTCTTCGGTTCTTCACCCCTACACCTT
GGAGGTGAACTTCTCACCTGAGGGCTGTAAAGACTCGTTTGAAAATGGAGAGCCAAGAACCAACGGAATCTTCTC
AGAATGGCAAACAGTATATCATTTCAGAGGAGTTAATTTCAGAAGGAAAATGGGTCAAGCTTGAAAAACAACGT
ACATGGATCCTACTGGTAAAACTAGAACTTGGGAATCAGTGAAACGTACAACCAGGAAAGAGCAGACTGCGGATG
GTGTGCGGGTCATCCCCGTGCTGCAGAGAACACTTCACATATGAGTGTATCGTTCTGGTGAAACAGTTCCGACCAC
CAATGGGGGGCTACTGCATAGAGTTCCCTGCAGGTCTCATAGATGATGGTGAAACCCCAAGCAGCTGCTCTCC
GGGAGCTTGAAGAAGAACTGGCTACAAAGGGGACATTGCCGAATGTTCTCCAGCGGTCTGTATGGACCCAGGCT
TGTCAAACTGTACTATACACATCGTGACAGTCACCATTAAACGGAGATGATGCCGAAAACGCAAGGCCGAAGCCAA
AGCCAGXXXXXXXXXAGTTTGTGGAAGTCATTTCTTTACCCAAGAATGACCTGCTGCAGAGACTTGATGCTCTGG
TAGCTGAAGAACATCTCACAGTGGACGCCAGGGTCTATTCTACGCTCTAGCACTGAAACATGCAAATGCAAAGC
CATTTGAAGTGCCCTTCTTGAAATTTTAAGCCCAAATATGACACTGGCCATTTTTGTAAACGAGACCACCAGGCC
TTCTTCACCTAAGACTTTGTATTCAACTTAGTTTAATGTAGATTTGCCATTAGCTTTTTCGTAAAAATAAAGCACA
GAACAGATGTGGTGGTGGTATGGAATTGTAATTACAGGTAGGTTGTGACCTTCCTTTAAATTTGTTATAACTCCA
GCTAAATTAACAAAGAATATAAATGCAGTATGTTTACTCCAATTTTTTTAAAGCTCAACAGCAGTTAACTACA
GCTCAGTTACTTTTCTAGTCCAGTCTGGTAGACAGGGGTATTTGTATAGAGAAATAGACCTGAGTTCTCAATTAG
GTCA

3140/6881
FIGURE 2899

TGCGTTTAGGGCGAAGACGGAGTTGTAACTTCTTAAAAATTCCTCTCTCGACACTTCGGTAATTCCTCTTTTCGAG
ACTAAAGCTCTTTTTGTATGCGTGTGTGTCAAGCGTATGCCCCGGGATTCTCCTCCGCTTCCTTTTCTCGGTCTT
CCTTCTTGCTTTAGGGACCGGAAGAGTCCTTGAACCAAAATAGCTCGGCGGGCAGTTCGGGGGCCGGCGCCAGAG
GTTCCGGGAGGGTGCAGGCAGGAGAGGGAAAGGCAGCAGCGGCGGCAGCTGGAGGATGAAGAAGGAGCATGTGCT
TCACTGCCAGTTCTCCGCGTGGTACCCGTTCTTCCGAGGCGTTACCATCAAGAGTGTCAATTCTTCCACTTCCTCA
GAATGTGAAGGATTATTTACTCGATGATGGAACCTCTGGTGGTTTCAGGAAGGGATGATCCACCAACACATTCTCA
GCCAGACAGTGATGATGAAGCAGAAGAAATACAGTGGTCTGATGATGAGAACACAGCCACGCTTACGGCACCAGA
ATTCCTGAGTTTGCCACTAAAGTCCAGGAACCTATCAATTCCTCGGGGGCAGTGTCTTCTAAGCTTAATTG
GAGTGCCCCAAGGGATGCGTATTGGATAGCAATGAATAGTTCTCTGAAATGTAAAACCTCAGCGACATCTTTCT
GCTTTTCAAGAGTTCCGATTTTCATCACTCGTGACTTCACTCAGCCGTTTATTCATTGTACTGATGATTCTCCAGA
TCCATGTATAGAATATGAGCTCGTTCTCCGAAAATGGTGTGAATTGATTCCTGGGGCTGAGTTTCGATGTTTTGT
CAAGGAAAACAAGCTTATTGGTATTTCTCAAAGAGACTACACACAATACTATGATCATATTTCTAAACAAAAGGA
AGAAATTCGCAGATGCATACAAGACTTTTTCAAGAAACACATACAGTACAAATCTTAGATGAAGACTTTGTGTT
CGATATATACAGAGACAGTAGGGGGAAGGTGTGGCTCATTGACTTTAATCCATTTGGTGAAGTCACAGATTCACT
GCTGTTACCTGGGAAGAACTGATATCTGAGAACAACCTAAACGGCGATTTTAGTGAAGTTGACGCTCAAGAGCA
GGATTCCCCAGCTTTCCGTTGCACAAACAGTGAAGTGACAGTCCAGCCCAGCCCCCTATTTGAGTTACCGGCTACC
CAAGGACTTTGTAGACCTCTCTACTGGGAGGGACGCTCACAAGCTAATAGACTTCCTTAAGCTGAAGAGAAATCA
GCAGGAGGACGACTGATGAGCGTACTGTAACCTGGAGAAGAGGAGGCCCGCCCCACCGCTCCGGGAGCTGCTCAT
CAGCCGCAACTTCCTGCCGACCTGATGCGGGTGGGCCGAGCAGTGTGGACATCAGCCACTTTTTATATTTCATGT
ACATTCACCTGGGGAAAAAACGGAGGGACTTTGCTACTTGTAATAATAACATAATAATAGATCTTAAACATAG
GAAAACCATACTGTTCTGATAATAAAATGCTTTCTATGAAAT

3141/6881
FIGURE 2900

MKKEHVLHCQFSAWYPFFRGVTIKSVILPLPQNVKDYLLDDGTLVVSGRDDPPTHSQPDSDEAEIIQWSDDENT
ATLTAPFPEFATKVQEPINSLGGSVFVKLNWSAPRDAYWIAMNSSLKCKTLSDIFLLFKSSDFITRDFTQFFIH
CTDDSPDPCIEYELVLRKWCELIPGAEFRFCVVKENKLIGISQRDYTQYYDHISKQKEEIRRCIQDFFKKHIQYKF
LDEDFVFDIYRDSRGKVLIDFNPFGEVTDSSLFTWEELISENNLNGDFSEVDAQEQDSPAFRCTNSEVTVQPSF
YLSYRLPKDFVDLSTGRDAHKLIDFLKLKRNQQEDD

3142/6881
FIGURE 2901

CCGGCTCCCGCAGGGCCGCGCCGAGGCAGGCGAGCCCCGCGGCGCCCAGGCGCGGGCCCGGGCCCCCGCCGCCG
CCGCCCGCCGCGGGCGCGGCATTTTTATTTCAGGCGACGCTTAAGGGAGCCCGGCCGCGCCCCGGTGCATTGTGGGA
GCGGCCCCGCGGCCCGTTTTTCGGGAGGAGGCGGAGGGCGCAAAGCGAGCCGGTGGATCCATAAAGAACCCAGCCAA
CCCGCAGAGGGAGGGGAGGGGCTGAGCTGTGAGGAGAGCGGGGCCCAAGAACCATGTCTACGCGGGAGTCCTTTA
ACCCGGAAGTTACGAATTGGACAAAAGCTTCCGGCTAACCAGATTCACTGAACTGAAGGGCACAGGCTGCAAAG
TGCCCCAAGATGTCCTGCAAAAATTGCTGGAATCTTTACAGGAGAACCACTTCCAAGAAGATGAGCAGTTTCTGG
GAGCCGTTATGCCAAGGCTTGGCATTGGAATGGATACTTGTGTCAATTCCTTTGAGGCACGGTGGGCTTTCCTTGG
TTCAAACCACAGATTACATTTACCCGATCGTAGACGACCCTTACATGATGGGCAGGATAGCGTGTGCCAATGTCC
TCAGTGACCTCTATGCAATGGGGGTCACGGAATGTGACAATATGCTGATGCTCCTTGGAGTCAGTAATAAAATGA
CCGACAGGGAAAGGGATAAAGTGATGCCTCTGATTATCCAAGGTTTTAAAGACGCAGCTGAGGAAGCAGGAACAT
CTGTAACAGGCGGCCAAACAGTACTAAACCCCTGGATTGTCTCTGGGAGGAGTGGCTACCACTGTCTGCCAACCCA
ATGAATTTATCATGCCAGACAATGCAGTGCCAGGGGACGTGCTGGTGCTGACAAAACCCCTGGGGACACAGGTGG
CAGTGGCTGTGCACCAGTGGCTGGATATCCCTGAGAAATGGAATAAGATTAAACTAGTGGTCACCCAAGAAGATG
TAGAGCTGGCCTACCAGGAGGCGATGATGAACATGGCGAGGCTCAACAGGACAGCTGCAGGACTCATGCACACGT
TCAATGCCCACGCCGCCACTGACATCACGGGCTTCGGGATTTTGGGCCATGCGCAGAACCTGGCCAAGCAGCAGA
GGAACGAGGTGTCGTTTGTAAATCACAACTCCCGGTGCTGGCCAAGATGGCTGCGGTGAGCAAGGCCTGCGGAA
ACATGTTTCGGCCTCATGCACGGGACCTGCCCCGAGACTTCAGGCGGCCTTCTGATCTGTTTACCACGTGAGCAAG
CAGCTCGGTTCTGTGCAGAGATAAAGTCCCCCAAATATGGTGAAGGCCACCAAGCATGGATTATTGGGATTGTAG
AGAAGGGCAACCGCACAGCCAGAATCATAGACAAACCCCGGATCATCGAGGTCGCACCACAAGTGGCCACTCAA
ATGTGAATCCCACACCCGGGGCCACCTCTTAATCTAGACAGAAATAGCTGTTTGGTTTTGTTTTAAATAGATCT
ATTTCCCTTATCACTTCAATTAAAGACTATAAACAACAAAAATCTCATTGTGTCTACACATCGGGGTGACCTTAG
GTCGGTTTGTAAAGTGATACAATTAATAAAATAAAATCCATTGCCTTTTTTTCCTGTTACATTAAGATGC
ACCTAATCTTGAGGCAGCTTCTGAGTTGAGAATT

3143/6881
FIGURE 2902

GAGAGCCCTCCTCAGGGGCTGTCTCTGCCTTCCCTTCTTCCCATGTGTATCTGGGGCAGCTGAGGCAGGGCTAGG
AGAAGAGCCCAGGTTCCCTCCTGCCACCTCCAAGCGATGAAGCAGCCCTGGGCCAACTCCAGCATTCTCGTGTGAA
CTGCAGAGGAGCCCTGCGCTTCCAGCTACTTGCAGCCAGACAGCCACCTGAGGATATTGACCATAAGGACTCAT
ATCTCATTACAAGAAGCATCATGGCCGAGCCAGACTACATAGAAGATGACAATCCTGAACCTATTAGGCCTCAGA
AACTGATCAATCCTGTAAAAACCTCCCGGAACCATCAAGATCTTCACAGAGAACTTCTTATGAATCAAAAAAGGG
GTCTTGCTCCTCAGAACAACAGAAATTGCAGAAGGTGATGGAAAAAGAAAACGAGACCAAGTAATAAAGCAGA
AGGAAGAAGAAGCACAGAAGAAGAAATCTGACTTGGAAATAGAGCTATTAAAACGGCAGCAGAAGTTGGAGCAGC
TTGAACTTGAGAAGCAGAAATTGCAAGAAGAGCAAGAAAATGCCCCGAGTTTGTGAAGGTGAAAGGCAATCTCA
GGAGAACAGGCCAAGAAGTCGCCCCAAGCCAGGAGTCCCTAGGCTGAGGCTGCACCAAGACCTCGTGTGTACCCCC
ACAGAGCTGTCTGTGGGTGCCTTCTCAATCTCAGGGCAAAAGCCCCCTGGAGAATATTTAGCCAGCAGAGAATTT
TGACTTGCAGTAGGATTTGGTTTGATTTTCTACGATCTGGGTGGATGCCTTGCCTGTGACAGTTGCAGTTCTTA
TTCGCCAAATGAAGGGCAGTGCCCCGCACGTAAGTTGGAATGATGGACCTGTGTTTACAGAGACTTAACAGAACCAA
CAAGCAAAACAAGTGAGAACAGGAAAAAGGAAGAGGACACTGGAATCAATTCTTGAGAGTTGCACTACTTGGTTT
TTCTTCCATTCCAAGTTTCTGTTGGACCCAGAGCCTTTTTTCTTTTAAAAGCTAAAAACAAGTGTTAATTCCTC
TTTTTGTTATCTGTTAGATAATTGAGATCACCTAGAAATGCGTTTAATCTGTTCACTCACTGTAAATTTTGAGGA
CCCAGAATTGCTTGTGTTAATTTATACTTTTACCCCTGTTGCAGTTAACACCAGAGAAGGAACGTGAATGTCGAG
CACAGCCACTACCCTTGTGGCACTTAATTTAGAAATAGGGTGAGAAGTTTAAAAGCCCATCTTGATTTTATTTT
CATTCTTTTGGTTCTCTGTGTAATAATAGCAGGCTACATAGTGACATTCCAGTTCCAAGAAGGTACATCCTGTC
CATTCAATTAATTGCTTTGATTACTAGGAGGGTTTCTGTTCAGTTTGTGTTTTTAAATGTCTTGCTGATCTAGTTCT
TTCAGATGGAATAACCTTCCAGTCCCTTAGAGAGTGGAAGTGTCCATATAACCCAGCTTCAGTAGCAAAAGTAG
AAGCCGCCACATCTTTTCAATTTCTCCAAGAGGAGAGTGGGGAAGGTTCCCATGACCAGCTGGGCAGTCAGGATTT
CTCTAGGCATTCTAATGTGAAATAAGTGTAGACTGCTGTCAAGGAGGCTTCATCAGAAGATGTATAGCATTTGAA
TGTCTAATGATAATGCATATCATTAGAATCCAAGCTTTGAAAATTTCTGATTAATGCTCATGTATTTCTTTATCT
TTGTTTTTCTTGTGAAGAAAGACTTTTACCAGTGTCTGAGTGATGCTGTTGATAAGGATGATGTCGATGAC
TACTATATTGCATCTCTCAGGAACAGCTGATGGGAAGGGAGGGGCTGCTGAGTTCCCTTGTCTAGCTAGCAGCA
CGCTCCTCAGAGAGGGGGCCGAGTTACAGACAGCAGCCGCATTCTCATGCAAAATTAGTTTTAACTGCTAGTGT
GGGCATCGGTACCTTTTGCCTGGGTGATACCGAAGAAATGTTGAGGATTTAGTATGCTCCGTAGAGACAGTTGAG
CCAGTCATTTCTGCATTGGAGAGACTTCTCATACTTTCTTTGAAGACTCATAGAAAGCTGGATCTAGAGCTTTTG
AATCCTTAATTAGCACAGTAGAAATTAGCTTTCTATGGGAATGCTTTAGTGTTAGCAGTTGACAATTAGGCCCAT
ATTCATCTGAATGGGAACAAAAGTAAATGCAATGATAATACTGCTAGTTAGAGAAACATGTTAGTTGATTAT
ACCTGAAATGGATTATTTATCTCATCAGCAAGTATTATTTGAATAAAATGAGAAATGCTTAAGAAAAATGTTGC
TCTACAGTAATTTGGTTTCGAAGAATGGAATGGTAACATTTTTTCCCATCGTTCTTTTGGAGAGAAGGAAGTGTG
ATGACTGATGATCTTGAAAAGCCCATTTCTGATTGCACGTTGACTGGAATCTTTCTTTGTGTCTGTGGACTAGC
GATGCTGTTTGTAAAATGAAGATTGGGGACTGGCTCATATCTTTTATCTAACTAGATGTCAGATCTTGAAATCT
GTATTCTCGAAGCAATTCTGCCACTTGATCGTATTACAGGGGGCCCTGGTAGGCTCCTTTAGAAGGACCATTCT
GTTCTTAGAGCTTAAGTAGAATTCATTCTTCACTGAAAAAAGTTACTTAAGAAAGCATTCTTTCTCTAA
TCTCACTCAAATCTGCAGAATTATTTGTAATTAGTAATACAAAATCTGGCCAAAAGGAGACTTGTAATAGCGTA
AAGTGGTGTCTTATGCTAAACGGTGGAATGTATAGGCAGAGAAGCTCTTTGAAGTTGTGAGATGAGCTGGGCTCA
CAAGCCTGATTCAAACAGGCTGTGGGTCTCCTCTCACCCTTAATACTGTGCAGCCCAAACTCCTAGGACTCTTG
AACATCTGAGCAGTTTTTGTGCTTTGAGCCACTTTTTGACAAAAATGGCTCCATTTTTCCACAGCGTGGTTTTCTT
AAAATAGTTTAAATGTTTTATAGTCTCATAGTAGTAGTGTGCTTTCTAAGCTATAACAGTCGACTTTATTTCTTCT
ACTCTGAAAAATCTTGACTTGTGTTGAGTGTATATAATATATAAAGGGAGCCTTAATGGATTGGTTTTTCATAAT
TTAATATTTTTTGTATTTGCTCTTGTATAATTGTTTTTAACGGAAAGTATTAAAGAATTGAGGGTGGAATCTTA
GAACCAAAGTTATTCTTAATAAAAAATCACCACATGCTTGGACCATGCAAAAAAAAAAAAAAAAAAAAAAAAAA
A

3144/6881
FIGURE 2903

MAEPDYIEDDNPELIRPQKLINPVKTSRHHQDLHRELLMNQKRGAPQNKPELQKVMKKRDRDQVIKQKEEEAQK
KKSDLEIELLKRQQKLEQLELEKQKLQEEQENAPEFVKVKGNLRRRTGQEVAAQES

3145/6881
FIGURE 2904

CGCGCCAGAGACGCAGCCGCGCTCCCACCACCCACCCACCGCGCCCTCGTTGCGCTCTTCTCCGGGAGCCAGT
CCGCGCCACCGCCGCGCCGCCCAGGCCATCGCCACCTCCGCAGCCATGTCCACCAGGTCCGTGTCTCGTCTCTCT
ACCGCAGGATGTTTCGGCGGCCCCGGGCACCGCGAGCCGGCCGAGCTCCAGCCGGAGCTACGTGACTACGTCCACCC
GCACCTACAGCCTGGGCAGCGCGCTGCGCCCCAGCACCAGCCGAGCCTCTACGCCTCGTCCCCGGGCGGCGTGT
ATGCCACGCGCTCTCTGCGCTGCGCCTGCGGAGCAGCGTGCCCGGGGTGCGGCTCTGCGAGGACTCGGTGGACT
TCTCGCTGGCCGACGCCATCAACACCGAGTTCAAGAACACCCGCACCAACGAGAAGGTGGAGCTGCAGGAGCTGA
ATGACCGCTTCGCCAACTACATCGACAAGGTGCGCTTCCTGGAGCAGCAGAATAAGATCCTGCTGGCCGAGCTCG
AGCAGCTCAAGGGCCAAGGCAAGTCGCGCCTGGGGGACCTCTACGAGGAGGAGATGCGGGAGCTGCGCCGGCAGG
TGGACCAGCTAACCAACGACAAAGCCCGCTCGAGGTGGAGCGCGACAACCTGGCCGAGGACATCATGCGCTCC
GGGAGAAATTGCAGGAGGAGATGCTTCAGAGAGAGGAAAGCCGAAAACACCCTGCAATCTTTTCAGACAGGATGTTG
ACAATGCGTCTCTGGCACGTCTTGACCTTGAACGCAAGTGGAATCTTTGCAAGAAGAGATTGCCTTTTTGAAGA
AACTCCACGAAGAGGAAATCCAGGAGCTGCAGGCTCAGATTCAGGAACAGCATGTCCAAATCGATGTGGATGTTT
CCAAGCCTGACCTCACGGCTGCCCTGCGTGACGTACGTCAGCAATATGAAAGTGTGGCTGCCAAGAACCTGCAGG
AGGCAGAAGAATGGTACAAATCCAAGTTTGCTGACCTCTCTGAGGCTGCCAACCGGAACAATGACGCCCTGCGCC
AGGCAAAGCAGGAGTCCACTGAGTACCGGAGACAGGTGCAGTCCCTCACCTGTGAAGTGATGCCCTTAAAGGAA
CCAATGAGTCCCTGGAACGCCAGATGCGTGAAATGGAAGAGAATTTGCCGTTGAAGCTGCTAACTACCAAGACA
CTATTGGCCGCTGCAGGATGAGATTCAGAATATGAAGGAGGAAATGGCTCGTCACCTTCGTGAATACCAAGACC
TGCTCAATGTTAAGATGGCCCTTGACATTGAGATTGCCACCTACAGGAAGCTGCTGGAAGGCGAGGAGAGCAGGA
TTTCTCGCTCTTCCAACTTTTCTCCTGAACTGAGGGAACTAATCTGGATTCACTCCCTCTGGTTGATA
CCCACTCAAAAAGGACACTTCTGATTAAGACGGTTGAACTAGAGATGGACAGGTTATCAACGAACTTCTCAGC
ATCACGATGACCTTGAATAAAAATTGCACACACTCAGTGCAGCAATATATTACCAGCAAGAATAAAAAAGAAATC
CATATCTTAAAGAAACAGCTTTCAAGTGCCTTTCTGCAGTTTTTCAGGAGCGCAAGATAGATTTGGAATAGGAAT
AAGCTCTAGTTCTTAACAACCGACACTCCTACAAGATTTAGAAAAAGTTTACAACATAATCTAGTTTACAGAAA
AATCTTGTGCTAGAATACTTTTTAAAAGGTATTTTGAATACCATTAAACTGCTTTTTTTTTTCCAGCAAGTATC
CAACCAACTTGGTTCTGCTTCAATAAATCTTTGAAAAA

3146/6881
FIGURE 2905

MSTRSVSSSSYRRMFGGPGTASRPSSRSYVTTSTRTYSLGSALRPSTSRSLYASSPGGVYATRSSAVRLRSSVP
GVRLQLQDSVDFSLADAINTEFKNTRTNEKVELQELNDRFANYIDKVRFLQONKILLAELEQLKGQKSRIGDLY
EEEMRELRRQVDQLTNDKARVEVERDNLAEDIMRLREKLQEEMLQREEAENTLQSFRQDVDNASLARLDLERKVE
SLQEEIAFLKKLHEEEIQELQAQIQEQHVQIDVDVSKPDLTAALRDVRQQYESVAAKNLQEAEEWYKSKFADLSE
AANRNNDALRQAKQESTEYRRQVQSLTCEVDALKGTNESLERQMREMEENFAVEAANYQDTIGRLQDEIQNMKEE
MARHLREYQDLLNVKMALDIEIATYRKLEGEESRISLPLPNFSSLNLRETNLDSLPLVDTHSKRTLLIKTVETR
DGGVINETSQHDDLE

3147/6881
FIGURE 2906

ATGGAGGGAGCAGAAACAACCACACAAGGAGCCCATGCCTTGGCTACAGTCAAACCTTCAGCGTGTCTATAAGGCA
TGTCGTCGCATTTGTGCAAACATTTCAGCGGCCTCTTATGTTTCACAGATGACTCCCCCTGGTGGTGAGGAGATGGCA
TTTCCTCCCTGTGTGCAGGTAAAGACTCAAACACTGATTTCAGAGCTGCTGTCCCCTACTACTGCTCCCATGT
TCGGCTGGCGCTGAGGAGACACCTTTAGCTGCTGTGACCCCATGGTTCACAAAAGCCACAGAGCTCAGAGCTGCTC
CTCAAAGAACATCCTCCCTGTTTGCTTCTTTCTAGCCCCCTCTCCTTTCTGGTATCCACGGAACCTATCCTATGAT
GTGACAGAAGAGTCAATTAAGGAATTCTTTAGAGGATTAATTATCAGTGCAGTGCCTTTACCACGTGAACCCAGC
AATCCAGAGAGGAGAATTCGAGTGGACGTTGCTGATCAAGCACAGGATACAGACAGGGACGATCGTTCTTTTGGC
CGTGATAGAAATCGGGATTCTGACAAAACAGATACAGACTGGAGGGCTCGTTCTGCCACAGACAGCTTTGATGAC
TACCCGCCTAGAAGGGGTGATGATAGGTTTGGAGACAAGTATCGAGATCGTTATGATTTCAGACCAGTCTGGCCGT
GGGTATTGGTATGAGTATCGGGATGGCCCATGCCGGGATATGGATCGATATGGCTGGCGGGATCGCTATGATGAC
CGAGGCAGCAGAGACTATGCTAGAGGCTATCATTCTGGATAGGCAGTGGCAGAAGGGCATTGGCAGTGGGTAC
CCAGGGACAATGACTACAGAGGAGGCAGGGACCGCTATGAAGACCGATACACAGATGGGATGATGGGTCTGTGCA
GCTCCAGAGATGATTTCTCTCGGGATGATTATAGGTATAATGATAGACGTCCCCCGTCCCCCTCAAAGACCCAAA
CTGAATCTAAAGCCTCATAATACTCCTAAGGGAGATGATTCTTCTGCTAGTACCTCCCAGTCCGGTCGAGCTTAT
TTTGTCTTTGGAGGGGCAAAGCCCGTTGATAGAGCTGCTAGAGAAACAAAAAGACACCCAAGCTGGCGAAGTGAA
GAAACCCAGGAACCGGAGAGGCACCCAAGCTGGCGAAGTGAAGAACTCAGGAACCTGGAACGGTGGAGGACAGGA
AGTGAGTCATCGCACACTGGGACCTCCGCCACACCCGGCAAAAGTCAATCAGACCAGGATGCAGGAAGGAGAGAG
ACTGAAAAGTCTCTAGAAAATGAAACACTCAGTAAGGAGGAAGACTGTCACTCTCCAACCTCTAAATCTACCAA
ACTGATCAGCCCCAAAAGAGCTCAGACACACAGCACGAATACCTTACAAGTGGTGGGGGAAAAGTAAGTCCAGCT
CAACCGTCTGAGAAAGGACCAGCAAGGAAAGATGAAAATAAAGTAGGTGTGGTGAATGTCCCAAAGACCACACT
GGGAACTCTAGCCATGGTCCAGGAGACAGAGGGAACAAAGACCACTGGAAGGAGTCAGATAGGAAAGATGGCAAA
AAGGAGCATGACTCCAGATCTGCACCTGAGCCAATATGTGAAATACGGAATTTGTGA

3148/6881
FIGURE 2907

MEGAEQPHKEPMPWLQSNFSVSYKACRRICANIQRPLMFTDDSPGGEEMAFPPCVQVKTQTLIQSCCPIYSLLPC
SAGAEETPLAAVTPWSQKPQSSELLKHEPPCLLLSSPSFWYPRNLSYDVTEESIKEFFRGLIISAVRLPREPS
NPERRIRVDVADQAQDTRDDRSFGRDRNRDSKTDTDWRARSATDSFDDYPPRRGDDRF GDKYRDRYDSQSGR
GYWYEYRDGPCRDMDRYGWRDRYDDRGSRDYARGYHSWIGSGRRAFSGYPGTMTTEEAGTAMKTDTTDGMGRA
APEMISLGMIIIGIMIDVPRPPQRPKLNLPKHNTPKGDDSSASTSQSGRAYFVFGGAKPVDRAARETKRHP SWRSE
ETQEPPERHPSWRSEETQELERWRTGSESSHTGTSATPGKSQSDQDAGRRETEKSLENETLSKEEDCHSPTSSTK
TDQPQKSSDTQHEYPTSGGGKVTPAQPSSEKGPARKDENKVG VNVPKDHTGNSSHGPGDRGNKDHWKESDRKDGK
KEHDSRSAPEPICEIRNL

3149/6881
FIGURE 2908

AGAACATCCAGTCATGGATAAAAAATGAGCTGGTTTCAGAAGGCCAAACTTGGCCGAGCAGGCTGAGCGATATGATGA
CATGGCAGCCTGCATGAAGTCTGTAACTGAGCAAGGAGCTGAATTATCCAATGAGGAAAGGAATCTCCTCTCAGT
TGCTTATAAAAAATGTTGTAGGAGCCCATAGGTCATCTTGGAGGGTCGTCTCAAGTATTGAACAAAAGACGGAGGG
AGCTGAGAAAAAACAGCAGATGGCTCGCGAATACAGAGAGAAAAATTGAGACGGAGCTAAGAGATATCTGCAATGA
TGTACTGTCTCTTTTGGAAAAGTTCTTGATCCCCAGTGCTTCACAAGCAGAGAGCAAAGTCTTCTATTGTAAAAAT
GGAAGGAGATTACTACCGTTACTTGGCTGAGGTTGCCGCTGGGGATGACAAGAAAGGGATTGTGGATCAGTCACA
ACAAGCGTACCAAGAAGCTTTTGAATCAGCAAAAAGGAAATGCAACCAACACATCCTATCAGACTGGGTCTGGC
CCTTAACTTCTCTGTGTTCTATTATGAGATTCTGAACTCCCCAGAGAAAGCCTGCTCTCTTGCAAAGACAGCTTT
TGATGAAGCCATTGCTGAACTTGATACATTAAAGTGAAGAGTCATACAAAGACAGCACGCTAATAATGCAATTACT
GAGGGACAACCTGACACTGTGGACATCAGATACCCAAGCAGACGAAGGTGAAGCAGGAGAAGGAGTGGAAAATTA
ACCGGCCCTTCCAGCTTTTGTCTGCCTCATTCTAAAATTTACACAGTAGACCATTTGTCTATCCATGCTGTCCCA
AATAGTTTTTTGTTTTATGACTTATGTCAGGTTTATGTTACTTCTATTTGAATTTCTCTATTTCCCATACGGTTTC
TATGTTTTAATATTAGGGGAGGAGAGGAAGTTAACATTTAGGGAGTTATCTGTTTTTCATCTTGAGGTGTTCAATAT
GGGGACGTGGAATTTTTTATACAGGTTATAAATGTTTGGCATAGTACTTTTGGTATATTGTGGCTTCACAAGGGCC
AGTGTTAAAACCTGCTTCCATGTCTAAGCAAAGAAAACCTGCCTACATATTGGTTTGTCTGGTGGGGAATAAAAGG
GATCATTGGTTCAGTCACAGGTGTAGTAATTGTGGGTACTTTAAGGTATGGAGCACTTACAAGGCTGTGGTAGA
AACAGATGCCCCATGGATACCACATGTTAAACCATGTATAATTGTGGAATACTCAATCTCATACCTTTGACCACA
GCTGCAGAAGTGTTCTTTTAGACACAGTTGTGACCCATTTTACTCTGTATAAGGGCAGAAATGGTTCACATTCCA
TATTTTATAAAGTTACCTGCTGTTAGCATTCAATTATTTTTTGCTACACTCATTTTATTTGTATTTAAATGTTTTAG
GCAACCTAAGAACAAATGTAAAAGTAAAGATGCAGTAAAAATGAATTGCTTGGTATTCACTACTTCATGTATATC
AAGCACAGCAATAAAACAAAACCCCATGTATTTAACTTTTTTTTAGGTTTTTTGCTTTTTGTGATTTTTTTTGATAC
TTGCCTAACATGCATGTGCTGTAAAAATAGTTAACAGGGAAATAAAGTTGAGATGATGGCTAGCTTTGTTTAAATGT
CTTATGAAATTTTCATGAACAATCCAAGCATAATTGTTAAGAACACACGTATTAAATTCATGTAAGTGGGAATAAA
CGTTTTATGAATGGACTTTTCAACTACTTTCTCTACAGCTTTTCATGTAAATTAGTCTTTTGGTTCTGAAACTTC
TCTAAAGGAAATTTGTACATTTTTTTTGAATGTATTCCCTATTCTCTCTTGGCAGCTAATGGGCTTTTACCAAGTT
TAAACACAAAGTTTATCATAACAACAAAATACTACTAATAATACTACTGTTTCCATGTCCCATGATTCCCTCTC
TTCCCTCCCCACCCTGAAAAAATCAGTTCCTATTTTTTCTGGGAGAGGGGGAGATTGATTGGAAAAAATGTAAT
ATGTTCCATTTGAAATATTGGTAAATGGCATTCTTAAGTTAGGAAGCCACAGTGTTCTTGCCCCATCATGACAT
TGGGTAGCATTAACTATAAGTTTTGTGCTTCCAAATAACTTTTTGGTTTTTAAACAATTTCTTGATACTCTTATAG
CCTGCCTTCAGTGTTGATCCTTTATTCTTTCTATCTGTCAGGTGCACAAGATTACCCTCCTTTTTTAGCCTTCTG
TCTTTCTTGTACCAACCATTCCCTACTTGGTGGCCATGTACTTGAAAAAGGCCGCATGATCTTTCTGGCTCCAC
TCAGTGTCTAAGGCACCCTGCTTCCTTTGCTTGCATCCACAGACTATTTCCCTCATCCTATTTACTGCGACAAA
TCTCTCCTTAGTTGATGATACTGTGTTTATCTCCCTTTAAACCCCTACCTATCCTGAATGGTCTGTCAATTGTCTG
CCTTTAATCCTTCCTCTTTCTCTCCTCTATTCTCTAAATAATGATGGGGCTAAGTTATACCCAAAAGCTCACTTT
ACAAAATATTTTCGTCAGTACTTTGCGAGAAAAACACCAAAACAAAAATGCCATTTTAAAAGAGGTGTATTTTTTATT
CAGAATGTAAGCTCCTCAAGAACAGGGACAATGTTTTCTGTATGTTCTATTGTGCCAGTACACTGTAAATGCTC
AATAAATATTGATGATGGGAGGCAGTGAATCTTGATAAGGGGTGAGAAAAGTGAATATCC

3150/6881
FIGURE 2909

GCTCGGAGCCTCGGCGGACCTTGCTGCCTCTGTCTCTTTAACGCGAGAGGAAGCGATGCAGAGGGGTGGAAAATG
GCAGAGCTGCAGATGTTACTAGAGGAGGAGATCCCGTCTGGCAAGAGGGCGCTGATCGAGAGTTACCAGAACCTG
ACTCGGGTGGCAGACTACTGTGAAAACAACCTACATACAGGCTACAGACAAGAGAAAAGCTTTAGAGGAGACCAA
GCCTATACAACCCAATCTCTAGCTAGTGTGCTTATCAAATAAATGCATTGGCCAACAATGTACTCCAGTTGCTG
GATATCCAAGCCTCTCAGCTTCGGAGAATGGAGTCTTCCATCAATCATATCTCACAGACTGTGGATATTCATAAG
GAGAAAGTGGCACGAAGAGAGATTGGTATTTTGACAACAAATAAGAATACATCAAGAACTCACAAAATAATAGCA
CCTGCGAATATGGAGCGCCCTGTAAGGTATATTGCGAAACCTATCGATTACACAGTTCTGGATGATGTGGGCCAT
GGTGTCAAGTGGCTAAAAGCCAAGCATGGAAATAACCAGCCTGCAAGAACTGGCACACTGTGAGAACAAATCCT
CCTACTCAGAAACCGCCAAGTCTCCCATGTACAGGCCGGGGAACACTGGGACGGAATACTCCTTATAAAACCTG
GAACCTGTTAAACCCCCAACAGTTCTTAATGACTATATGACCAGTCTGCTAGGCTTGGAAAGTCAGCATAGTCCA
GGCAGGACAGCATCTTTAAATCAGAGACCAAGGACACACAGTGGAAAGTAGTGGAGGAAGTGGAAAGTCAGAAAAAC
AGTGGTAGCAGTAGTATTGGCATTCCCATTTGCTGTGCCTACACCTTCGCCACCCACTATTGGACCAGAAAAACATT
TCTGTCCCTCCTCCTTCTGGAGCTCCACCAGCACCACCTCTGGCACCCTTCTCCCAGTGAGCACTGTGATAGCA
GCCCCGGGCTCAGCTCCTGGTTCCAGTATGGCACAATGACCAGGCAGATATCTCGACACAACCTCTACTACTTCT
TCGACATCTTCTGGTGGATACAGACGAACTCCCTCTGTGACTGCTCAATTTTCTGCTCAGCCTCATGTTAATGGA
GGTCCACTTTATTCTCAAATTCAATTTCTATTGCTCCACCCCCCTCCCCCTATGCCTCAGTTGACTCCACAGATA
CCTCTCACAGGCTTCGTGGCCAGGGTGCAGGAAAACATTGCTGATAGTCCAACCTCCACCGCCACCACCTCCACCA
GATGACATTCCCATGTTTGATGACTCTCCACCTCCCCCACCACCACCAGTGGATTATGAAGATGAGGAGGCT
GCAGTAGTTCAGTATAATGATCCATATGCAGATGGGGATCCTGCTTGGGCCCCAAGAATTATATTGAGAAAGTT
GTTGCAATATATGATTATACAAAAGACAAGGATGATGAGCTGTCATTTATGGAGGGTGCAATCATTTATGTTATA
AAGAAGAATGATGATGGCTGGTATGAAGGAGTCTGCAATCGAGTGACTGGTCTGTTCCCTGGGAACCTATGTTGAA
TCAATCATGCACTATACTGATTAATTTTTTTTTTCTTTTGAAGTAGATTCTTATTACTCAGTCATACTGTGGGA
CTATTATGGTTAACAGAACTGTCTTAATATGTTTTAAATGTGCCCATATTTTCAGAACATGCTGTTTTATTGGT
AAATTGAATGTCTACCTGTAAGCATAAATCTTTGAGGCAGTTTATGTATTGCTGAATAGCAATTTATACAAGAAG
CTGTCCATAACTGATTATGCTTATGTACTTACTTACACATTTTAACTTTATGACCAGCCTAAATATTCTGGGGG
AAGTGGGGTATAATATTTAACGAATCATGATTTCAGATTGTACCATTACATGTTTCAGTGCAGCATGGTTACTAAC
GCTATGTCAGACTAATATTTAAATCAGAAAATTTAAATGCTGGTGTGCTGGTCAGACTTTTTTGTAGATTCTCTC
ATTTAAAAAAAATACTGTTTGTTTAAAGCATGCATAAAAAATTTATGTATTGAAATATACTTAAAAATTCAAGATG
CTTCCCATTTGTGTAATATTTACCTGGAGGACTCGTACTTAGGTGTCTTAACGTGAATTGAGTCTCCAAGGTCTC
CATGTGAAACAAGCAAAAAGAGAATTATCTGTAATGTTGTAATTTGTACCTAAGTTTTTAAATGAGTGAAATTTG
CATTATAAACTTTTTCCATTCAATAATACATAAGTGAACCAAAGTTTTTGTCTTTTCTTCACTGATTGTCTT
AAAAAAAATAAAAGATAATGATTTATTG

3151/6881
FIGURE 2910A

GGGGAGGCCATTTTCCGTTTCTGGGAGGAGTGAGGGGCAACGGGTGCGAGAAAAAGGAAAAAGAAGGGCTCAGC
GCCTCCCCGCCGGGCGCTGGACAGAGGGGCACAGTTTCGGCAGGCGGGTGAGGTCGCTGAGGGCCCGCGGAGAT
GTTTTCTTGTCGAGCACGGTGCAACCCAGGTTACAGTTCTCTGAGTCATCTCATCAATGCCTTCCATACACC
AAAAAACACTTCTGTTTCTCTCAGTGGAGTGTCAGTTTCTCAAACACAGCATCGAGATGTAGTTCCTGAGCATGA
GGCTCCCAGCAGTGAGTGATGTTTCAGTGACTTCTGACGAAGCTTAACATTGTTTCAATTGGCAAAGGAAAAAT
ATTGGAAGGTACAGATCCATGTTTCATGGAGCCAGCAAAAAGGATGAAGAAGAGCTTGGACACAACCGATAACTG
GCACATCCGTCCAGAACCCTTCTCCCTCTCAATCCCTCCTTCACTTAACCTTAAGGGACCTTGGATTATCTGAACT
AAAAATTGGACAGATTGATCAGCTGGTAGAAAATCTACTTCTGGATTTTGTAAAGGCAAAAAACATTTCTTCCCA
TTGGCATAACATCCCATGTCCTCTGCACAATCCTTCTTTGAAAATAAATATGGTAACCTTAGATATATTTAGTACATT
ACGTTCTCTTGCTTGATCGACATCATTCAAGAGCTCTTCAAAGCATTGTTTCAGATCTTCAGTACTGGCCAGT
TTTCATACAGTCTCGGGGTTTTAAACCTTTGAAATCAAGGACACGACGTCTCCAGTCTACCTCCGAGAGATTAGC
TGAAACACAGAATATAGCGCCATCATTGCGTGAAGGGGTTTTCTTTGCGGGACAGAGGATCAGATGTTGAGAGTTT
GGACAAACTCATGAAAACCAAAAATATACCTGAAGCTCACCAAGATGCATTTAAACCTGGTTTTGCGGAAGGTTT
TCTGAAAGCTCAAGCACTCACACAAAAACCAATGATTCCCTAAGGCGAACCCGTCTGATTCTCTTCGTTCTGCT
GCTATTTCGGCATTATGGAATTCTAAAAAACCCATTTTTATCTGTCCGCTTCCGGACAACAACAGGGCTTGATTC
TGCAGTAGATCCTGTCCAGATGAAAAATGTCACCTTTGAACATGTTAAAGGGGTGGAGGAAGCTAAACAAGAATT
ACAGGAAGTTGTTGAATTCTTGAAAAATCCACAAAAATTTACTATTCTTGAGGTAACCTCCAAAAGGAATTCT
TTTAGTTGGACCCCCAGGGACTGGAAAGACACTTCTTGCCCGAGCTGTGGCGGGAGAAGCTGATGTTCCTTTTTA
TTATGCTTCTGGATCCGAATTTGATGAGATGTTTGTGGGTGTGGGAGCCAGCCGTATCAGAAATCTTTTTAGGGA
AGCAAAGGCGAATGCTCCTTGTTATATTTATTGATGAATTAGATTCTGTTGGTGGGAAGAGAATTGAATCTCC
AATGCATCCATATTCAAGGCAGACCATAAATCAACTTCTTGCTGAAATGGATGGTTTTAAACCAATGAAGGAGT
TATCATAATAGGAGCCACAACTTCCAGAGGCATTAGATAATGCCTTAATACGTCTGGTCTGTTTTGACATGCA
AGTTACAGTTCCAAGGCCAGATGTAAAAGGTGCAACAGAAATTTGAAATGGTATCTCAATAAAAAATAAGTTTGA
TCAATCCGTTGATCCAGAAATTATAGCTCGAGGTACTGTTGGCTTTTCCGGAGCAGAGTTGGAGAATCTTGTGAA
CCAGGCTGCATTAAAAGCAGCTGTTGATGGAAGAAATGGTTACCATGAAGGAGCTGGAGTTTTCCAAAGACAA
AATTCTAATGGGGCCGTGAAAGAAGAAGTGTGGAAATTGATAACAAAAACAAACCATCACAGCATATCATGAATC
TGGTCATGCCATTATTGCATATTACACAAAAGATGCAATGCCTATCAACAAAGCTACAATCATGCCACGGGGGCC
AACACTTGGACATGTGTCCCTGTTACCTGAGAATGACAGATGGAATGAACTAGAGCCAGCTGCTTGCACAAAT
GGATGTTAGTATGGGAGGAAGAGTGGCAGAGGAGCTTATATTTGGAACCGACCATATTACAACAGGTGCTTCCAG
TGATTTTGATAATGCCACTAAATAGCAAAGCGGATGGTTACCAATTTGGAATGAGTGAAAAGCTTGGAGTTAT
GACCTACAGTGATACAGGGAACTAAGTCCAGAAACCAATCTGCCATCGAACAAGAAATAAGAATCCTTCTAAG
GGACTCATATGAACGAGCAAAACATATCTTGAAACTCATGCAAAGGAGCATAAGAATCTCGCAGAAGCTTTATT
GACCTATGAGACTTTGGATGCCAAAGAGATTCAAAATGTTCTTGAGGGGAAAAAGTTGGAAGTGAGATGATACT
CTCTTGATATGGATGCTTGCTGGTTTTATTGCAAGAATACAAGTAGCATTGCAGTAGTCTACTTTTACAACGCTT
TCCCTCATTCTTGATGTGGTGTAATTGAAGGGTGTGAAATGCTTTGTCAATCATTTGTACATTTATCCAGTTT
GGGTTATTCTCATTATGACACCTATTGCAAAATTAGCATCCCATGGCAAATATATTTTGA AAAAATAAAGAACTAT
CAGGATTGAAAACAGCTCTTTTGGAGGAATGTCAATTAGTTATTAAGTTGAAAGTAATTAATGATTTTATGTTGG
TTACTCTACTAGATTTGATAAAAAATTGTGCCCTTTAGCCTTCTATATACATCAGTGGAACCTTAAGATGCAGTAAT
TATGTTCCAGATTGACCATGAATAAAATATTTTTTAATCTAAATGTAGAGAAGTTGGGATTAAAAGCAGTCTCGG
AAACACAGAGCCAGGAATATAGCCTTTTGGCATGGTGCCATGGCTCACATCTGTAATCCCAGCACTTTTGGAGGC
TGAGGCGGGTGGATTGCTTGAGGCCAGGAGTTGAGAGCCAGCCTGGCCAACGTGGTGAAACGCTGTCTCTACTAA
AATACAAAAAATAGGGCTGGGCGCGGTTGCTCACGCCTGTAATCCCAGCACTTTTCAGAGGCCAAGGCGGGCAA
ATCACCTGAGGTCAAGAGTTTGAGACCAGCCTGGCCAACATGGTGAAACCCCATCTCTACTAAACATGCAAAAAAT
TACCTGGGCATGGTGGCAGGTGCTTATAATCCCAGCTACTCTGGGGGCAAGGCAGGAGAATTGCTTGAGCCTGG
GAGATGGAGGTTGCAGTGAGCTGAGATCATGCCACTGCACTCCAGCCTGGGCAACAGAGCAAGACTCTGCCTCAA
AAAAAATTTAAATAAATTTAAATACAAAAAATAAGCCAGGTGTGGGGTGCATGCCTGGAATCCAGCTACTT
GAGAGGCTGAGGCACGAGAATTGCTTGAACCCAGGAGGTGGAGGTTGCAGTGAGCCAAGATCACAGGAGCCACTG
CACTCCAGCCTGGGTGACAGAGTGAGACTCTGTCTCAAAAAAATAAATAAATTATTATAACCTTTCAGAAAT

3152/6881
FIGURE 2910B

GCTGTGTGCATTTTCATGTTCTTTTTTTTAGCATTACTGTCACTCTCCCTAATGAAATGTACTTCAGAGAAGCAG
TATTTTGTTAAATAAATAACATAACCTCATTCTGAATAATGTCCCTCATTTTGACTATAACTGTGCTTGGTTTCAA
AAGCAAAATTAAACAAAAATCTCAGTCCCCTCCGAAGTGAACTTTGTGTTACCCTGCGTCAGAAATGCCAAGTTG
TGTTTACTTTTCATTCAGATTTTGTGAATATGAACATGCTGTTATAGGATCTACAGATGAATATTTAACTCAATA
GAAAAATTATTTTAGAACACATTGTATTGGTATTACAACCAGATTATATTCTTGACGTTGACTTCATTAAAT

3153/6881
FIGURE 2911

ACCGCCATCTTCCAGTAATTCGCCAAAGTGACGAACACAAAGAGAAAGAGGAGGGGCACCCGATATATGTTCTTT
AGGCCTTTTAGAAAACATGGAGTTGTTCCCTTTGGCCACATATATGCGAATCTATAAGAAAGGTGATATTGTAGAC
ATCAAGGGAATGGGTACTGTTCAAAAAGGAATGCCCCACAAGTGTTACCATGGCAAACTGGAAGAGTCTACAAT
GTTACCCAGCATGCTGTTGGCATTGTTGTAAACACACAAGTTAAGGGCAAGATTCTTGCCAAGAGAATTAATGTG
TTTATTGAGCACATTAAGCACTCTAAGAGCCGAGACAGCTTCCTGAAACGCATGAAGGAAAATGATCAGAAAAAG
AAAGAAGCCAAAGAGAAAGGTACCTGGGTTCAACTAAAGCGCCAGCCTGCTCCACCCAGAGAAGCACACTTTGTG
AGAACCAATGGGAAGGAGCCTGAGCTGCTGGAACCTATTCCCTATGAATTCATGGCATAATAGGTGTTAAAAAA
AATAATAAAGGATCTCTGGGCTAC

3154/6881
FIGURE 2912

VTNTRKRRRGTRYMFFRPFRKHGVVPLATYMRIYKKGDIVDIKGMGTVQKGMPHKCYHGKTGRVYNVTQHAVGIV
VNTQVKGKILAKRINVFIEHIKHSKSRDSFLKRMKENDQKKKEAKEKGTWVQLKRQPAPPREAHFVRTNGKEPEL
LEPIPYEFMA

3155/6881
FIGURE 2913A

CAC TGCTCTGACTGCGTCCTCCCCAGGCTGAAGTGTCTCAGGTTTCATGTGGATTGCCCCAGTAATGGATGGCT
CCACCGAGGCCAGGTTGGGGAAGTTTACGCTCGAGGACACTAGGGGACGAAAACTTCAAAAAGAAGACTCTTTT
TATTAATATTTTGGCGTCTTTTTTGGAGAGGAACCTTTGGGATGTAGCCTTTACCTGTTTCTGAATTTGACATC
CAAAAAGCCTTTTGAAAACACCATTCTAAATTTATCTGTTCTGAATCATCATCGCTTCTGATAGATGCAGTTG
CTTGCTGACATCGTGATCTTTGATTTTGTACAACGCTATTTGGGCTAACTTTTGGGATTTTACTTTGTGCTTAGA
ATTTGAAAGTAGTATTCATTGGAAAGAGACTCCAAGAAAATACTCGAAGACATCAAAAGCTGGATTTCGAGGGTAT
AACGTGTTTTGTTTTGTTTTTAAATTAGAAAAATAAGGAATTGCAGTGTGATTTTCTTTCCCCCTTTAACTTAG
AGGAACGAGGATTATACAGAAATTTGAAATTTCAACAAGAAAAACTTAAGCTTCCTTGGATTCCCACGTCAAAGG
AAAGTTTCAAGCTTTCAGAAGGAGTTCTCACTCGAAGATAAAGAACAGCTCGCTAACCACGAAAGAGGAATCGAT
GCTCAGCTTTTAGTTGCACTTCTTAAAGTTGCAGAATTAAGACAAATCTTTGAACCAAGAAGAAAGAAATTCTTA
GAAATGAAAAGAAAAGAAAGAAATTGCCAGGCGCCTGGAAGGGATTGAAAATGACACTCAGCCCATCTCTTGCAG
AGCTGCACAGGATTGGTGACTCACCGCTGCTGGAGGAAGACACCCCTCGATACATGAGAGCCAGCGACCCCTGCC
AGCCCCCACATCGGCCGATCAAATGAAGAGGAGGAACTTCTGATTCTTCTCTAGAAAAGCAAACCTCGATCCAAA
TACTGCACAGAAACCTCCGGTGTCACGGTGACTCACCTATGGTTTCGGGTACCATGGACACCCACAGTCTGGAG
TCCAAAGCCGAAAAGAAATTGCAAGGTACAAAGCAGAAAGAAGGCGACAGCTGGCAGAGAAGTATGGGCTGACTCTG
GATCCCGAGGCCGACTCCGAGTATTTATCCCGCTATACCAAGTCCAGGAAGGAGCCTGATGCTGTGCGAGAAGCGG
GGAGGAAAAAGTGACAAACAGGAAGAGTCAAGCAGAGATGCTAGTTCTCTGTACCCCGGGACCGAGACGATGGGG
CTCAGGACCTGTGCCGGTGAATCCAAGGACTATGCCCTCCATGTGGGTGACGGCTCTTCCGACCCGGAGGTGCTG
CTGAACATAGAAAACCAAAGACGAGGTCAAGAGCTGAGTGCCACCCGGCAGGCCCATGACCTGTCCCCAGCAGCC
GAGAGTTCTCGACCTTCTCTTTCTCTGGGCGAGACTCCTCCTTCACTGAAGTGCCACGGTCCCCCAAGCAGCC
CACAGCTCCTCCCTGCAGCAGGCAGCCTCCCGAGCCCTCCTTTGGTGACCCACAGCTATCCCTGAGGCCCGA
CCCAGTACAGGGAAACCCAAACATGAGTGGTTTCTCCAGAAAGATTCCGAAGGGGACACACCTTCACTTATCAAC
TGGCCTTCCAGAGTTAAAGTTAGAGAAAAATTGGTGAAAGAGGAAAGTGCTCGAAAACAGCCCTGAACCTCGCCTCA
GAGTCCGTAACCTCAGAGGAGACACCAGCCAGCGCCAGTCCATTACGTGTCAATTCAGTCTGAGCACTCAGCCTTT
GATAGGGTCCCCAGCAAGGCAGCAGGCTCTACACGACAGCCAATCCGTGGCTATGTCCAACCCGCAGATACCGGT
CACACCGCCAAGCTAGTGACGCCAGAAACCCAGAAAATGCATCTGAGTGTAGCTGGGTAGCATCAGCCACCCAG
AATGTCCCCAAACCTCCAGCTTGACGGTTCTAGAAGGTGACGGAAGGGATAGCCCAGTTCTCCATGTCTGCGAG
TCAAAAGCAGAAGAAGAAGAAGGGGAAGGAGAAGGAGAAGAAAAGAAGATGTGTGCTTCACTGAAGCTCTC
GAGCAAAGCAAGAAAACCTACTGGCTTTGGAGGGTGATGGGCTAGTGAGAAAGCCAGAAAGATCCCTCTAGAAAT
GAGGACTTTGGTAAGCCTGCTGTGAGCACAGTCACCTTAGAGCATCAGAAAGAACTGGAAAACGTGGCACAACCC
CCTCAAGCTCCGCACCAGCCCACTGAGAGGACAGGCAGGAGCGAGATGGTTCTCTACATTCAAAGTGAGCCTGTG
TCCAAGACGCCAAACCAACTGGTCACAACAGGGAAGCCTCGAAAAAGCGCAAGGTCCGTACCCGCTCTCTGTCA
GATTTACAGGCCCCCTCAGCTCCAGGCCTTGAAGTATAAGGACCCAGCTTCCAGGAGAGAGCTGGAGCTGCCC
AGCTCCAAGACCGAAGGGCCTTATGGGGAGATCAGCATGCTGGACACAAAAGTCTCTGTGCGCCAGCTCCGAAGT
GCGTTCCTGGCATCTGCCAACGCCTGCAGGAGACCTGAACCTCAAATCACGGGTGGAGAGGTGCGCTGAAGGACCT
GGCTTGCCACCCGGTGTGGAACGGGAGAGAGGGTCCCGGAAACCAAGACGCTATTTTCTCTGTTGAAAGTAGA
AAAACCTTCCGAGAGATTTAGAACCCAACTATAACTTCAGCAGAACGAAAGGAATCGGATAGGTGCATTCACAT
TCAGAAACGCCAACTGTGCGATGATGAAGAAAAGGTGGATGAACGAGCCAAGCTGAGCGTCGCCGCCAAGAGGTTG
CTTTTCAGGGAGATGGAAAAATCTTTTGATGAACAAAATGTTCCAAAGCGACGCTCAAGAAAACAGCTGTGGAG
CAGAGGCTACGCCGTCTGCAGGACAGTCCCTCACCCAGCCCATCACCCTGAAGAGGTGGTTCATCGCAGCCACT
GAACCTATCCCCGCTTCGTGTTCTGGGGGCACCCACCCTGTAATGGCGAGACTTCTAGCCCCACTGTAGCTAGG
AGCGCTGTGCAGCCTGCCAGATTGCAGGCCTCTGCTACCAAAAGGCCTTAGCCAAGGACCAGACAAATGAGGGC
AAAGAGCTTGCTGAGCAAGGAGAACCTGATTCTCCTCACTCTAAGCTTGGCCGAAAAGTTGGCCTTGTTTAAACAA
TTGTCCCAGCCAGTCTCAAAAGCGATTTCTACCCGGAACAGAATAGACACGAGACAGAGGAGAATGAACGCTCGC
TATCAAACCTCAGCCAGTCACACTGGGAGAGGTGGAGCAGGTGCAGAGTGGAAGCTCATTCTTTCTCACCTGCC
GTGAACACATCAGTGTCTACCGTAGCATCCACGGTTGCTCCAATGTATGCCGGAGATCTTCGCACAAAAGCCACCT
CTTGACCACAATGCAAGTGCCACTGACTATAAGTTTTCTTCTTCAATAGAAAATTCGGACTCTCCAGTTAGAAGC
ATTCTGAAATCGCAAGCTTGGCAGCCTTTGGTAGAGGGTAGCGAGAACAAGGGAATGTTGAGAGAATATGGAGAG

3156/6881
FIGURE 2913B

ACAGAAAGCAAGAGAGCTTTGACAGGTCGAGACAGTGGGATGGAGAAGTATGGGTCCTTTGAGGAAGCAGAAGCA
TCCTACCCCATCCTGAACCGAGCCAGGGAAGGAGACAGCCATAAGGAATCTAAATATGCTGTTCCAGAAAGAGGA
AGCCTGGAACGGGCGAACCCTCCCATCACCCACCTCGGGGATGAACCGAAGGAATTTTCCATGGCTAAAATGAAT
GCACAAGGAACTTTGACTTTGAGGGACAGGCTGCCCTTTGAAGAGAAGGTGGAGGTGGAGAATGTTATGAAAAGG
AAGTTTTCTACTAAGAGCGGCAGAGTTCTGGGGAGCCCACTTCCGAGCAGACGGGGACAGCTGCTGGGAAAATATT
GCTCAAACCACAGCCCCCGTGTCTGGAAGCCCCAGGATTCTTCGGAACAGCCACAGGAGAAGCTCTGCAAGAAT
CCATGTGCGATGTTTGCTGCTGGAGAGATCAAAACGCGGACAGGGGAGGGCCTTCTTGACTCACCCAGCAAAACC
ATGTCTATTAAAGAAAGATTGGCACTGTTGAAGAAAAGCGGGGAGGAAGATTGGAGAAACAGACTCAGCAGGAGG
CAGGAGGGCGGCAAGGCGCGGCCAGCAGCCTGCACACCCAGGAAGCAGGGCGGTCCCTCATCAAGAAGCGGGTC
ACAGAAAGTCGAGAGAGCCAAATGACGATTGAGGAGAGGAAGCAGCTCATCACTGTGAGAGAGGAGGCCTGGAAG
ACGAGAGGCAGAGGAGCGGCCAACGACTCGACCCAGTTCACTGTGGCTGGCAGGATGGTGAAGAAAGGTTTGGCG
TCACCTACTGCCATAACCCCACTAGCCTCACCCATTTGCGGTAAAACAAGAGGCACCACACCCGTTTCCAAACCC
CTGGAAGATATCGAAGCCAGACCAGATATGCAGTTAGAATCGGACCTGAAGTTGGACAGGCTGGAAACCTTTCTA
AGAAGGCTGAATAACAAAGTTGGCGGGATGCACGAAACGGTGCTCACTGTCAACGGCAAATCTGTGAAGGAGGTG
ATGAAGCCAGATGATGATGAAACCTTTGCCAAATTTTACCGCAGCGTGGATTATAATATGCCAAGAAGTCTGTG
GAGATGGATGAGGACTTCGATGTCATTTTCGATCCTTATGCACCCAAATGACGCTTCCGTGGCCGAGCACAAAG
CGGGCAGTTAGGCCCAAGCGCCGGGTTTACGGCCTCCAAAAACCCCTGAAAATGCTGGCGGCAAGAGAAGATCTC
CTTCAGGAATACACTGAGCAGAGATTAACGTTGCTTTCATGGAGTCAAAGCGGATGAAAGTAGAAAAGATGTCT
TCCAACCTCCAACCTTCTCAGAAAGTCACCCTGGCGGGTTTAGCCAGTAAAGAAAACCTTCAGCAACGTGAGCCTGCGG
AGCGTCAACCTGACGGAACAGAACTCTAACAACAGCGCCGTGCCCTACAAGAGGCTGATGCTGTTGCAGATTAAA
GGAAGAAGACATGTGCAGACCAGGCTGGTGAACCTCGAGCTTCGGCGCTCAACAGTGGGGACTGCTTCCTCCTG
CTCTCTCCCCACTGCTGCTTCCTGTGGGTAGGAGAGTTTGCAAACGTCATAGAAAAGGCGAAGGCCTCAGAACTT
GCAACTTTAATTACAGACAAAGAGGGAACCTTGGTTGTAGAGCTACTTATATCCAAACCATGGAAGAAGGAATTAAT
ACACACACTCATGCAGCCAAAGACTTCTGGAAGCTTCTGGGTGGCCAAACCAAGTTACCAATCTGCTGGAGACCCA
AAAGAAGATGAACTCTATGAAGCAGCCATAATAGAACTAACTGCATTTACCGTCTCATGGATGACAAACTTGTT
CCTGATGACGACTACTGGGGGAAAATTCCGAAGTGCTCCCTTCTGCAACCCAAAGAGGTACTGGTGTTTGATTTT
GGTAGTGAAGTTTACGTATGGCATGGGAAAGAAGTCACATTAGCACAAACGAAAAATAGCATTTTCAGCTGGCAAAG
CACTTATGGAATGGAACCTTTGACTATGAGAACTGTGACATCAATCCCCTGGATCCTGGAGAATGCAATCCGCTT
ATCCCCAGAAAAGGACAGGGGCGGCCGACTGGGCGATATTTGGGAGACTTACTGAACACAATGAGACGATTTTG
TTCAAAGAGAAGTTTCTGGATTGGACGGAAGTGAAGAGATCGAATGAGAAGAACCCCGGGGAACCTTGCCAGCAC
AAGGAAGACCCAGGACTGATGTCAAGGCATACGATGTGACACGGATGGTGTCCATGCCCCAGACGACAGCAGGC
ACCATCCTGGACGGAGTGAACGTGGCCGTGGCTATGGCCTGGTGGAAAGGACACGACAGGAGGCAGTTTGAGATC
ACCAGCGTTTCCGTGGATGCTTGGCACATCCTGGAATTCGACTATAGCAGGCTCCCCAAACAAAGCATCGGGCAG
TTCCATGAGGGGGATGCCTATGTGGTCAAGTGAAGTTTCATGGTGAGCACGGCAGTGGGAAGTCGCCAGAAGGGA
GAGCACTCGGTGAGGGCAGCCGGCAAAGAGAAGTGCGTCTACTTCTTCTGGCAAGGCCGGCACTCCACCGTGAGT
GAGAAGGGCACGTGGCGCTGATGACGGTGGAGCTGGACGAGGAAAGGGGGGCCAGGTCCAGGTTCTCCAGGGA
AAGGAGCCCCCTGTTTCTGCAAGTGTTCAGGGGGGGATGGTGGTGCATCGGGGAGGCGGGAAGAGGAAGAA
GAAAAATGTGCAAAGTGAAGTGGCGGCTGTACTGCGTGCGTGGAGAGGTGCCCGTGAAGGGAATTTGCTGGAAGTG
GCCTGTCACTGTAGCAGCCTGAGGTCCAGAACTTCCATGGTGGTGCTTAACGTCAACAAGGCCCTCATCTACCTG
TGGCACGGATGCAAAGCCCAGGCCCACACGAAGGAGGTGGAAGGACCGCTGCGAACAAGATCAAGGAACAATGT
CCCCTGGAAGCAGGACTGCATAGTAGCAGCAAAGTCACAATACACGAGTGTGATGAAGGCTCCGAGCCACTCGGA
TTCTGGGATGCCTTAGGAAGGAGAGACAGGAAAGCCTACGATTGCATGCTTCAAGATCCTGGAAGTTTTAACTTC
GCGCCCCGCTGTTCATCCTCAGCAGCTCCTCTGGGGATTTTGCAGCCACAGAGTTTGTGTACCCTGCCCCAGCC
CCCTCTGTGGTCAGTTCCATGCCCTTCTGTCAGGAAGATCTGTACAGCGCGCCCCAGCCAGCACTTTTCTTGT
GACAATCACACGAGGTGTACCTCTGGCAAGGCTGGTGGCCCATCGAGAACAAGATCACTGGTTCCGCCCCGATC
CGCTGGGCTCCGACCGGAAGAGTGCGATGGAGACTGTGCTCCAGTACTGCAAAGGAAAAAATCTCAAGAAACCA
GCCCCAAGTCTTACCTTATCCACGCTGGTCTGGAGCCCTGACATTACCAATATGTTTCCAGCTGGGAGCAC
AGAGAGGACATCGCTGAGATCACAGAGATGGACACGGAAGTTTCCAATCAGATCACCCCTCGTGGAAAGACGTCTTA

3157/6881
FIGURE 2913C

GCCAAGCTCTGTAAAACCATTTACCCGCTGGCCGACCTCCTGGCCAGGCCACTCCCGGAGGGGGTCGATCCTCTG
AAGCTTGAGATCTATCTCACCACGAAGACTTCGAGTTTGCACTAGACATGACGAGGGATGAATACAACGCCCTG
CCCGCCTGGAAGCAGGTGAACCTGAAGAAAGCAAAAGGCCTGTTCTGAGTGGGGAGACGCCAGAGGAGCCTCAG
GTCACGTCCAACAACACCACTGCACCAGGGAAATGGATATATATTTTTTGGACTGGTGTTCACAAAGTATTTT
TCAATCAGAGTTTTTCAGAACCTGACATTGTTAAAGATACTGCTTGTCCTGGAGTTGTGTATTTTGTAATGTTCA
AGGGAAGTGTGAAACTTCTTTCCACCATTTCAGGAGGTTATCAGAATTAATAAAAGTATCTGTTATGTGCACT
TAAGCCGCAGCTGCTATAGATAGCACTGCCTTCTTGTTCCAGCTAGGCAATGCCTTTTTTTTTTTTTTTGAAGC
AGTTCTCTTTATAAAGTGTATTTTGATAGTTTGTGGATTCTAAAATATATATATATTTATATAAACACCATATA
AGTCAAATATGTATTTAACAAAGCAATATGTATTCATTCACTTTCAAGATTTGTTTTGGTGTCAAAATAACATGA
AAAGGTAGATGGAGTTGCTTCTGTTGAATTAGCTCTGCCACCAATATGTATCTTCATACACGTTTGGAAATGTTT
CCTGCAGCATTAGGTATGACTTGTCTGAGTACTGCTTCCGGTGCTAAAATGAACAAAGAATTTGTACTTAATGG
CATGGACTCTGGAGAATCTATGCGAATCAACCTTTCTACCTTAATATCTCCCCAAAAATGTATAGTGCCTTGTTT
TTATGTACAGTTTATATACAGAAAAGTTTGCTCTGCATTTTGTATGATGGTTTGGAAACATTATCTACAATTTTAC
TCTCAAATAGTCAAAATAAAAACATCTCAATTTCTAATACCGTTGTAAACAGTACACATGTCATTTTGTGATAT
AGGACTCCCAAATAAAAAGTATCAGAATAAACACAACAATTAAGTGGT

3158/6881

FIGURE 2914

CAGACGCTGCTGCCGAGGAAAACCTTGTATTATTAGGCATGSTCAACCCACCGTGTTCTTCGACATTGCCATCG
ACGGCGAGCCCTTGGGCCGCGTCTCCTTTTAGCTGTTTGCAGACAAGTTCCCAAAGACAGCAGAAAATTTTCGTG
CTCTGAGCACTGGAGAGAAAGGATTTAGTTATAAGGGTTCCTGCTTTCACAGAATTATTCCAGGGTTTATGTATC
AGGGTCGTGACTTCACACGCCATAATGGCACTGGTGGCAAAGTCCATCTATGGGGAGAAATTTGAAGATGAGAACT
TCATCCTAAAGCATAACAGGTCCTGGCATCTTGTCCATGGCAAATGCTGGACCCAACACAAATGGTTCCCAGTTTT
TCATCTGCACTGCCAAGACTGAGTGGTTGGATGGCAAGCATGTGGTCTTTGGCAAAGTGAAAGAAGGCATGAATA
TTATGGAGGCCATGGAGCGCTTTGGGTCCAGGAATGGCAAGACCAGCAAGAAGATCACCATTGCTGACTGTGGAC
AACTCGAATAAGTTTGACTTGTGTTTTATCTTAACACCAGACCATTCCTTCTGTAGTTCAGGAGAACACCCTTC
CACCCCATTTGCTCGCAGTATCCTAGAATCTTTGTGCTCTTGCTGCAGTTCCATGTTTTCTTGTTCCCTCCCAT
GCCTAGCTGGATTGCAGAGTTAAGTTTATGATTATGAAATAAAAACCAAATAACAA

3159/6881
FIGURE 2915

GQPHRVLRHCHRRRALGPRLLLALFADKFPKTAENFRALSTGEKGF SYKGSCFHRIIPGFMYQGRDFTRHNGTGG
KSIYGEKFEDENFILKHTGPGILSMANAGPNTNGSQFFICTAKTEWLDGKHVVFGKVKEGMNIMEAMERFGSRNG
KTSKKITIADCGQLE

3160/6881
FIGURE 2916A

ATGAAAGTGACCGTGTGCTTCGGACGGACCCGGGTGGTCGTGCCGTGCGGGGACGGCCACATGAAAGTTTTTCAGC
CTCATCCAGCAGGCGGTGACCCGCTACCGGAAGGCCATCGCCAAGGATCCAAACTACTGGATACAGGTGCATCGC
TTGGAACATGGAGATGGAGGAATACTAGACCTTGATGACATTCTTTGTGATGTAGCAGACGATAAAGACAGACTG
GTAGCAGTGTGTTGATGAGCAGGATCCACATCACGGAGGTGATGGCACCAGTGCCAGTTCCACGGGTACCCAGAGC
CCAGAGATATTTGGTAGTGAGCTTGGCACCAACAATGTCTCAGCCTTTCAGCCTTACCAAGCAACAAGTGAAATT
GAGGTCACACCTTCAGTCCTTCGAGCAAATATGCCTCTTCATGTTCGACGCAGTAGTGACCCAGCTCTAATTGGC
CTCTCCACTTCTGTGAGTGATAGTAATTTTTCTCTGAAGAGCCTTCAAGGAAAAATCCCACACGCTGGTCAACA
ACAGCTGGCTTCTCAAGCAGAACACTGCTGGGAGTCCTAAACCTGCGACAGGAAGAAAGATGAAAACCTACAGA
AGCCTCCCGCGGGATACTAGTAAGTGGTCTAACCAATTTTCAGAGAGACAATGCTCGCTCGTCTCTGAGTGCCAGT
CACCCAATGGTGGGCAAGTGGCTGGAGAAACAAGAACAGGATGAGGATGGGACAGAAGAGGATAACAGTCGTGTT
GAACCTGTTGGACATGCTGACACGGGTTTGGAGCATATACCCAACCTTTCTCTGGATGATATGGTAAAGCTCGTA
GAAGTCCCCAACGATGGAGGGCTCTGGGAATCCATGTAGTGCCTTTCAGTGCTCGAGGCGGCAGAACCCTGGGG
TTATTAGTAAAACGATTGGAGAAAGGTGGTAAAGCTGAACATGAAAATCTTTTTCTGAGAAATGATTGCATTGTC
AGGATTAATGATGGCGACCTTCGAAATAGAAGATTTGAACAAGCACAAACATATGTTTCGCCAAGCCATGCGTACA
CCCATCATTGGTTCCATGTGGTTCTCTGCAGCAAATAAAGAGCAGTATGAACAACCTATCCCAAAGTGAGAAGAAC
AATTACTATTCAAGCCGTTTTAGCCCTGACAGCCAGTATATTGACAAACAGGAGTGTGAACAGTGCAGGGCTTCAC
ACGGTGCAGAGAGCACCCCGACTGAACACCCGCTGAGCAGATAGACTCTCACTCAAGACTACCTCATAGCGCA
CACCCCTCGGGAAAACACCATCCGCTCCAGCCTCGGCACCTCAGAATGTATTTAGTACGACTGTAAGCAGTGGT
TATAACACCAAAAAAATAGGCAAGAGGCTTAATATCCAGCTTAAGAAAGGTACAGAAGGTTTGGGATTTCAGCATC
ACTTCCAGAGATGTAACAATAGGTGGCTCAGCTCCAATCTATGTGAAAAACATTTCTCCCCGGGGGGCGGCCATT
CAGGATGGCCGACTTAAGGCAGGAGACAGACTTATAGAGGTAAATGGAGTAGATTTAGTGGGCAAAATCCCAAGAG
GAAGTTGTTTTGCTGTTGAGAAGCACCAAGATGGAAAGGAACGTGAGCCTTCTGGTCTTTTCGCCAGGAAGACGCC
TTCCACCCAAGGGAACCTGAATGCAGAGCCAAGCCAGATGCAGATTCCAAAAGAAACGAAAGCAGAAGATGAGGAT
ATTGTTCTTACACCTGATGGCACCAGGGAATTTCTGACATTTGAAGTCCCACTTAATGATTTCAGGATCTGCAGGC
CTTGGTGTGAGTGTCAAAGGTAACCGGTCAAAGAGAAACACGCAGATTTGGGAATCTTTGTCAAGTCCATTATT
AATGGAGGAGCAGCATCTAAAGATGGAAGGCTTCGGGTGAATGATCAACTGATAGCAGTAAATGGAGAATCCCTG
TTGGGCAAGACAAACCAAGATGCCATGGAAACCCTAAGAAGGTCTATGTCTACTGAAGGCAATAAACGAGGAATG
ATCCAGCTTATTGTTGCAAGGAGAATAAGCAAGTGCAATGAGCTGAAGTCACCTGGGAGCCCCCTGGACCTGAG
CTGCCATTGAAACAGCGTTGGATGATAGAGAACGAAGAATTTCCATTCCCTCTACAGTGGGATTGAGGGGCTT
GATGAATCCCCCAGCAGAAATGCTGCCCTCAGTAGGATAATGGGTGAGTCAGGTAATAACAGCTGTCCCTTACA
GTGAATATGCCCCAAGATGACACTGTCTATTATAGAAGATGACAGGTTGCCAGTGCTTCTCTCCACATCTCTCTGAC
CAGTCTCTTCCAGCTCCCATGATGATGTGGGGTTTGTGACGGCAGATGCTGGTACTTGGGCCAAGGCTGCAATC
AGTGATTTCAGCCGACTGCTCTTTGAGTCCAGATGTTGATCCAGTTCCTTGCTTTTCAACGAGAAGGATTGGACGT
CAGAGTATGTGAGAAAACGCACAAAGCAATTTTCAGATGCCAGTCAATTGGATTTTCGTTAAACACGAAAATCA
AAAAGCATGGATTTAGGTATAGCTGACGAGACTAACTCAATACAGTGGATGACCAGAAAGCAGGTTCTCCCAGC
AGAGATGTGGGTCTTCCCTGGGTCTGAAGAAGTCAAGCTCGTTGGAGAGTCTGCAGACCGCAGTTGCCGAGGTG
ACTTTGAATGGGGATATTCTTTCCATCGTCCACGGCCGCGGATAATCAGAGGCAGGGGATGCAATGAGAGCTTC
AGAGCTGCCATCGACAAATCTTATGATAAACCCGCGGTAGATGATGATGATGAAGGCATGGAGACCTTGGAGAA
GACACAGAAGAAAGTTCAAGATCAGGGAGAGAGTCTGTATCCACAGCCAGTGATCAGCCTTCCCACTCTCTGGAG
AGACAAATGAATGGAAACCAAGAGAAAGGTGATAAGACTGATAGAAAAAGGATAAACTGGAAAAAGAAAGAG
AAAGATAGAGATAAGGAGAAGGATAAAATGAAAGCCAAGAAGGGAATGCTGAAGGGCTTGGGAGACATGTTTCAGG
TTTGGCAAACATCGAAAAGATGACAAGATTGAGAAAACGGGTAAAATAAAAATACAGGAATCCTTTTACATCAGAA
GAGGAGAGGATACGAATGAAGCAGGAGCAGGAGAGGATTCAAGCCAAAACCTCGAGAATTTAGGGAAACGACAAGCT
CGAGAGCGTGACTATGCTGAAATTCAAGATTTTCATCGGACATTTGGCTGTGATGATGAGTTAATGTATGGGGGA
GTTTCTTCTTATGAAGGTTCCATGGCTCTCAACGCTAGACCTCAGAGCCCACGAGAAGGGCATATGATGGATGCT
TTGTATGCCCAAGTCAAGAAGCCGCGGAATTCCAAACCTCACCTGTAGACAGTAACAGATCAACTCCTAGCAAT
CATGATCGGATACAGCGTCTGAGGCAAGAATTTTCAGCAAGCAAAGCAAGATGAAGATGTAGAAGATCGTCGGCGG
ACCTATAGTTTTGAGCAACCCTGGCCGAACGCACGGCCGGCGACGCAGAGCGGGCGACACTCGGTGTCCGTGGAG

3161/6881
FIGURE 2916B

GTGCAGATGCAGCGGCAGCGGCAGGAGGAGCGCGAGAGCTCCCAGCAGGCCAGCGCCAGTACAGCTCTCTGCCT
CGGCAAAGCAGGAAAAATGCCAGCTCGGTCTCCCAGGACTCTTGGGAGCAGAACTACTCCCCTGGGGAAGGCTTC
CAGAGTGCCAAAGAGAACCCAGGTACTCCAGCTACCAAGGCTCCAGGAACGGCTACCTGGGAGGACATGGCTTC
AACGCCAGGGTCATGCTGGAACTCAGGAGCTCCTTCGCCAGGAACAGAGGCGGAAGGAGCAGCAGATGAAGAAG
CAGCCTCCTTCCGAGGGGGCCAGCAACTATGACTCGTATAAGAAAGTCCAGGACCCCAGTTACGCCCCTCCCAAG
GGGCCCTTCCGGCAAGATGTGCCCCCTCCCCTTCTCAGGTTGCGAGGCTGAACAGACTTCAGACTCCTGAGAAA
GGGAGGCCCTTCTATTCCTGA

3162/6881
FIGURE 2917

MKVTVCFGRTTRVVPCGDGHMKVFSLIQQAVTRYRKAIKDPNYWIQVHRLEHGDGGILDLDLDDILCDVADDDKRL
VAVFDEQDPHHGGDGTSSASSTGTQSPEIFGSELGTNNVSAFQPYQATSEIEVTPSVLRANMPLHVRSSDPALIG
LSTSVSDSNFSSEEPSRKNPTRWSTTAGFLKQNTAGSPKTCDRKKDENYRSLPRDTSNWSNQFQRDNARSSLSAS
HPMVGKWLEKQEDEDGTEEDNSRVEPVGHADTGLEHIPNFSLLDDMVKLVEVPNDGGPLGIHVVPFSARGGRITLG
LLVKRLEKGGKAEHENLFRENDICIVRINDGDLNRNRRFEQAQHMFRQAMRTPIIWFHVVPAANKEQYEQLSQSEKN
NYYSSRFSPPDSQYIDNRSVNSAGLHTVQRAPRLNHPPEQIDSHSRLPNSAHPSGKPPSAPASAPQNVFSTTVSSG
YNTKKIGKRLNIQLKKGTEGLGFSITSRDVTIGGSAPIYVKNILPRGAAIQDGRKAGDRLIEVNGVDLVGKSQE
EVSLLRSTKMEGTVSLLVFRQEDAFHPRELNAEPSQMQUIPKETKAEDEDIVLTPDGTREFLTFFVPLNDSGSAG
LGVSVKGNRSKENHADLGIFVKSIINGGAASKDGRLRVNDQLIAVNGESLLGKTNDAMETLRRSMSTEGNKRGM
IQLIVARRISKCNELKSPGSPGPPELPIETALDDRERRISHSLYSGIEGLDESPSRNAALSRLMGESGKYQLSPT
VNMPQDDTVIIEDDRPLVLPPLHSDQSSSSSHDDVGFVTADAGTWAKAAISDSADCSLSPDVPVLAFOREGFGR
QSMSEKRTKQFSDASQLDFVKTRKSKSMDLGIADETKLNVTDDQKAGSPSRDVGPSLGLKKSSSLESLOTAVAEV
TLNGDIPFHRPRPRIIRGRGCNESFRAAIDKSYDKPAVDDDDDEGMETLEEDTEESSRSGRESVSTASDQPSHSLE
RQMNGNQEKGDKTDRKKDKTGKEKKKDRDKEKDKMKAKKGMLKGLGDMFRFGKHKRDKDKIEKTGKIKIQESFTSE
EERIRMKQEQUERIQAKTREFRERQARERDYAEIQDFHRTFGCDEL MYGGVSSYEGSMALNARPOSPREGHMMDA
LYAQVKKPRNSKPSPVDSNRSTPSNHDRIQRLRQEFQQAQDEDEDVEDRRRTYSFEQPWPNARPATQSGRHSVSVE
VQMQRQRQEERESSQAQRQYSSSLPRQSRKNASSVSQDSWEQNYSPGEGFQSAKENPRYSSYQGSRNGLGGHGF
NARVMLETQELLRQEQRKEQQMKKQPPSEGPSNYDSYKKVQDPSYAPPKGPFRQDVPPSPSQVARLNRLQTPEK
GRPFYS

3163/6881
FIGURE 2918

CTATTCTGAAACGTGTTTTGCCCGAGGCCTGGGGTGACAGGCACCGCTGTACCTGGGGTGAGGGGAGCTGCCGGGC
CTTTCAGCCCGGTGGTCTCCACGATGCTCCCATCTGTGTGGACGACAATCAGTGTCGCTTTTTCGGTGTTTCAGGC
TGTCCCCGATCTGAAGGGCCGTCTACCAGACTAGAAGGAAAAACCGCTCCCTGGGCCGTCTCCAGCAGGGCTC
TCTGGCTGTTCTCACCAAGAAGGGACGCTCACCTAGGCACCCCATATCTTTTCCAAAGATACCTCTCAAAGACTT
GAAACAGAGCCAAGAACAAGAACAGACAATGCCGAAGTCTGTGTGGTGCTGAGGAAAATGCTTGCCATCATTG
TCAAAGGGAAGGAAGAAAGGTGCTCCACAAACAAGAAACACCCTCCCTTCCACCTGAGCCGCTCCCAAGGTCA
CCGTCTTCATGCAGAGTTTCCAACAGACCGAGTTGGCCGCCACAGACAAGGCCTTGTGCAGGACCGCCCTCCAGA
CCTCCTTACAGATGGCAACTGGAGACCAGGGCCTCAAAACCACATTTCCACACTGGCTGAAGCTGCTGCAACTGC
TGCCTGCTTCCAAAATCAGCCTTCAGGCGGCACAGACCCCGCCACAGGAAGCCAGAGTCTCCATGCCCACACACC
ACTGCTGGAACCTGAACCCTACCTTGGCCAAGTCATCCGGCAAACCTCTGGCCTGCAGGCTCTGTTACCCCCACGG
CCCAGCTGCTTTGCCGCCGAGTCCGAGTCTCCATCCGGACTCCGCCGAGCCTTCCCGAAGGCGCCGTCCGGGAC
CGCCCGAAGCGCCGGGCCAGCGACCAGAAGGCCCAAAGCGTGTATCCAAGCCCGGCTTTTCGCTGGGCACAACCC
TAGTGGGAGCGGTGGGGACAGAGCCAGCTCGGCCAGACGGTCGGCAGGCCCCAGGAGGGCCATGAGTCAGAGGGC
AAGGCTGAAACTGGATTGAGATCTTAGCCCAGGCTGACGGAGGCTCCCAAGAAGGGGGAGCAGGCCACACTCA
GCACCCTGCGTGGGAGGGGCACCTGACCGCCAGATGGGCGGTCCACCTGAGCCGCACCCTTGGAGGGGCCTTTGG
TGCCCTCTGCCGGCCGCTCCAIGTGCTGCCTTGGGAAGCAAGTACTCCACTTACTTTGGCTTTTGAAAACATTTTC
CCTAGCCATCGACGAGTACAAGCCCCAGGATGCTACCACCAACCCGTCCCTGATCCTGGCCGCAGCACAGATGCC
CGCTTACCAGGAGCTGGTGGAGGAGGCGATTGCCTATGGCCGGAAGCTGGGCGGCACTTTGTCCTACAGCTTGAC
ACAGCAAGAATATTCCCTGTTCCCTTAACGCATTTCCAGGACCGTGGCCAATGGCAGACACCAGGTCATTAAACCC
AGTCACAGCTGAATGA

3164/6881
FIGURE 2919A

AGCCGCCGCCACCCGCCGCCCGACACCCGGGAGGCCCCGCCAGCCCGCGGGAGAGGCCAGCGGGAGTCGCGG
AACAGCAGGCCCGAGCCCACCGCGCCGGGCCCCGGACGCCCGCGCGGAAAAAGATGAATTTACAACCAATTTTCTGG
ATTGGACTGATCAGTTTCAGTTTGCTGTGTGTTTGTCTCAAACAGATGAAAAATAGATGTTTAAAGCAAATGCCAAA
TCATGTGGAGAATGTATACAAGCAGGGCCAAATTGTGGGTGGTGACAAAATTCAACATTTTTTACAGGAAGGAATG
CCTACTTCTGCACGATGTGATGATTTAGAAGCCTTAAAAAAGAAGGGTTGCCCTCCAGATGACATAGAAAATCCC
AGAGGCTCCAAAGATATAAAGAAAAATAAAATGTAACCAACCGTAGCAAAGGAACAGCAGAGAAGCTCAAGCCA
GAGGATATTACTCAGATCCAACCACAGCAGTTGGTTTTTGCATTAAAGATCAGGGGAGCCACAGACATTTACATTA
AAATTCAAGAGAGCTGAAGACTATCCATTGACCTCTACTACCTTATGGACCTGTCTTACTCAATGAAAGACGAT
TTGGAGAATGTAAAAAGTCTTGGAACAGATCTGATGAATGAAATGAGGAGGATTACTTCGGACTTCAGAATTGGA
TTTGGCTCATTGTGGAAGACTGTGATGCCTTACATTAGCACAAACACCAGCTAAGCTCAGGAACCCCTTGCACA
AGTGAACAGAACTGCACCAGCCCATTTAGCTACAAAATGTGCTCAGTCTTACTAATAAAGGAGAAGTATTTAAT
GAACCTGTGGAAAAACAGCGCATATCTGGAAATTTGGATTCTCCAGAAAGGTGGTTTCGATGCCATCATGCAAGTT
GCAGTTTGTGGATCACTGATTGGCTGGAGGAATGTTACACGGCTGCTGGTGTTCACAGATGCCGGGTTTCAC
TTGCTGGAGATGGGAACTTGGTGGCATTGTTTTACCAAATGATGGACAATGTCACCTGGAAAATAATATGTAC
ACAATGAGCCATTATTATGATTATCCTTCTATTGCTCACCTTGTCCAGAACTGAGTGAAAATAATATTCAGACA
ATTTTGCAGTTACTGAAGAATTTAGCCTGTTTACAAGGAGCTGAAAACTTGATCCCTAAGTCAGCAGTAGGA
ACATTATCTGCAAATTTAGCAATGTAATTCAGTTGATCATTGATGCATACAATTCCTTTCTCAGAAGTCATT
TTGAAAACGGCAAATTTGTCAGAAGGAGTAACAATAAGTTACAAATCTTACTGCAAGAACGGGGTGAATGGAACA
GGGAAAATGGAAGAAAATGTTCCAATATTTCCATTGGAGATGAGGTTCAATTTGAAATTAGCATAACTTCAAAT
AAGTGCCAAAAAAGGATTCTGACAGCTTTAAATTAGGCCTCTGGGCTTTACGGAGGAAGTAGAGGTTATTCTT
CAGTACATCTGTGAATGTGAATGCCAAAGCGAAGGCATCCCTGAAAGTCCCAAGTGTCATGAAGGAAATGGGACA
TTGAGTGTGGCGGTGCAGGTGCAATGAAGGGCGTGTGGTAGACATTGTGAATGCAGCACAGATGAAGTTAAC
AGTGAAGACATGGATGCTTACTGCAGGAAAGAAAACAGTTGAGAAATCTGCAGTAACAATGGAGAGTGCCTCTGC
GGACAGTGTGTTTGTAGGAAGAGGGATAATACAAATGAAATTTATTCTGGCAAATTTCTGCGAGTGTGATAATTTT
AACTGTGATAGATCCAATGGCTTAATTTGTGGAGGAAATGGTGTGTTGCAAGTGTGCTGTGTGAGTGAACCCC
AACTACACTGGCAGTGCATGTGACTGTTCTTTGGATACTAGTACTTGTGAAGCCAGCAACGGACAGATCTGCAAT
GGCCGGGGCATCTGCGAGTGTGGTGTCTGTAAGTGTACAGATCCGAAGTTTCAAGGGCAAACGTGTGAGATGTGT
CAGACCTGCCTTGGTGTCTGTGCTGAGCATAAAGAATGTGTTCAGTGCAGAGCCTTCAATAAAGGAGAAAAGAAA
GACACATGCACACAGGAATGTTCCATTATTTAAACATTACCAAGGTAGAAAGTCGGGACAAATTACCCAGCCGGTC
CAACCTGATCCTGTGTCCCATTTGTAAGGAGAAGGATGTTGACGACTGTTGGTCTATTTTACGTATTCAGTGAAT
GGGAACAACGAGGTTCATGGTTTCAATGTTGTGGAGAATCCAGAGTGTCCCACTGGTCCAGACATCATTCCAATTGTA
GCTGGTGTGGTTGCTGGAATTTGTTCTTATTGGCCTTGCACTTACTGCTGATATGGAAGCTTTTAAATGATAATTCAT
GACAGAAGGGAGTTTGTCTAAATTTGAAAAGGAGAAAATGAATGCCAAATGGGACACGGGTGAAAATCCTATTTAT
AAGAGTGCCGTAACAACCTGTGGTCAATCCGAAGTATGAGGGAAAAATGAGTACTGCCCGTGCAATCCCACAACAC
TGAATGCAAAGTAGCAATTTCCATAGTCACAGTTAGGTAGCTTTAGGGCAATATTGCCATGGTTTTTACTCATGTG
CAGGTTTTTGAAAATGTACAATATGTATAATTTTTAAATGTTTTATTATTTTGAATAATGTTGTAATTCATGC
CAGGGACTGACAAAAGACTTGAGACAGGATGGTTATTCTTGTGCTAGCTAAGGTCACATTGTGCCTTTTTACCTTT
TCTTCTGGACTATTGAAATCAAGCTTATTGGATTAAGTGATATTTCTATAGCGATTGAAAGGGCAATAGTTAAA
GTAATGAGCATGATGAGAGTTTCTGTTAATCATGTATTAACCTGATTTTACCTTTACAAATATGTCAGTTTGC
AGTTATGCAGAAATCCAAAGTAAATGTCCTGCTAGCTAGTTAAGGATTGTTTTAAATCTGTTATTTTGTCTATTGTC
CTGTTAGACATGACTGATGACATATCTGAAAGACAAGTATGTTGAGAGTTGCTGGTGTAAAAATACGTTTGAAATA
GTTGATCTACAAAGGCCATGGGAAAAATTGAGAGAGTTAGGAAGGAAAAACCAATAGCTTTAAAACCTGTGTGCC
ATTTTAAAGAGTTACTTAATGTTTGGTAACTTTTATGCCTTCACTTTACAAATTCAAGCCTTAGATAAAAGAACCG
AGCAATTTTCTGCTAAAAAGTCCTTGATTTAGCACTATTTACATACAGGCCATACTTTACAAAGTATTTGCTGAA
TGGGGACCTTTTGAAGTTGAATTTATTTTATTATTTTATTTTGTGTTAATGTCTGGTGTCTTCTATCACCTCTTCT
AATCTTTTAAATGTATTTGTTTGAATTTTGGGGTAAGACTTTTTTATGAGTACTTTTTCTTTGAAGTTTTAGCGG
TCAATTTGCCTTTTAAATGAACATGTGAAGTTATACTGTGGCTATGCAACAGCTCTCACCTACGCGAGTCTTACT
TTGAGTTAGTGCCATAACAGACCACTGTATGTTTACTTCTCACCATTTGAGTTGCCCATCTTGTTCACACTAGT

3165/6881
FIGURE 2919B

CACATTCTTGTTTTAAGTGCCTTTAGTTTTAACAGTTCACTTTTTACAGTGCTATTTACTGAAGTTATTTATTAA
ATATGCCTAAAATACTTAAATCGGA

3166/6881
FIGURE 2920

MNLQPIFWIGLISSVCCVFAQTDENRCLKANAKSCGECIQAGPNCGWCTNSTFLQEGMPTSARCDDLEALKKKGC
PPDDIENPRGSKDIKKKNVTNRSKGTAEKLPEDITQIQPQQLVLRRLRSGEPTFTLKFKAEDYPIDLYYLM
LSYSMKDDLENVKSLGTDLMNEMRRITSDFRIGFGSFVEKTVMPYISTTPAKLRNPCTSEQNCTSPFSYKNVLSL
TNKGEVFNELVGKQRIISGNLDSPEGGFDAIMQVAVCGSLIGWRNVTRLLVFSTDAGFHFAGDGKLGIVLPNDGQ
CHLENNMYTMSHYDYDPSIAHLVQKLSENNIQTIFAVTEEFQPVYKELKNLIPKSAVGTLSANSSNVIQLIIDAY
NSLSSEVILENGKLSEGVTSISKSYCKNGVNGTGENGRCNSISIGDEVQFEISITSNKCPKDSDFSFKIRPLGF
TEEVEVILQYICECECQSEGIPEPKCHEGNGTFECGACRCNEGRVGRHCECSTDEVNSEDMDAYCRKENSSEIC
SNNGECVCGQCVCRRDNTNEIYSGKFCECDNFNCDRSNGLICGGNGVCKCRVCECNPNYTGSAACDCSLDTSTCE
ASNGQICNARGICECGVCKCTDPKFQGGTCEMCQTCLGVCAEHKECVQCRAFNKGEKDTCTQEC SYFNITKVES
RDKLPQFVQDPVSHCKEKDVDDCWFTYSVNGNNEVMHVVENPECPTGPDIIPIVAGVVAGIVLIGLALLLI
WKLLMIHDRREFAKFEKEKMNAKWDITGENPIYKSAVTTVVNPKYEGK

3167/6881
FIGURE 2921A

GCTTCAGTCCCCGCGACCGAAGCAGGGCGCGCAGCAGCGCTGAGTGCCCCGGAACGTGCGTCGCGCCCCCAGTGTC
CGTCGCGTCCGCGCGCCCCGGGCGGGGATGGGGGGCCAGACTGAGCGCCGCACCCGCCATCCAGACCCGCGCG
CCCTAGCCGCGAGTCCCTCCAGCCGTGGCCCCAGCGCGCACGGGCGATGGCGAAGGCGACGTCCGGTGCCGCGGGG
CTGCGTCTGCTGTTGCTGCTGCTGCTGCCGCTGCTAGGCAAAGTGGCATTGGGCCTCTACTTCTCGAGGGATGCT
TACTGGGAGAAGCTGTATGTGGACCAGGCAGCCGGCACGCCCTTGCTGTACGTCCATGCCCTGCGGGACGCCCT
GAGGAGGTGCCCAGCTTCCGCTGGGCCAGCATCTCTACGGCACGTACCGCACACGGCTGCATGAGAACAACTGG
ATCTGCATCCAGGAGGACACCGGCCTCCTCTACCTTAACCGAGCCTGGACCATAGCTCCTGGGAGAAGCTCAGT
GTCCGCAACCGCGGCTTTCCCTGCTCACCCTCTACCTCAAGGTCTTCTGTACCCACATCCCTTCGTGAGGGC
GAGTGCCAGTGCCAGGCTGTGCCCCGCTATACTTCTCCTTCTTCAACACCTCCTTTCCAGCCTGCAGCTCCCTC
AAGCCCCGGGAGCTCTGCTTCCAGAGACAAGGCCCTCCTTCCGCATTCCGGGAGAACCAGACCCCCAGGCACCTTC
CACCAGTTCCGCTGCTGCCTGTGCAGTTCTTGTGCCCAACATCAGCGTGGCCTACAGGCTCCTGGAGGTTGAG
GGTCTGCCCTTCCGCTGCGCCCCGACAGCCTGGAGGTGAGCACGCGCTGGGCCCTGGACCGCGAGCAGCGGGAG
AAGTACGAGCTGGTGCCGTGTGCACCGTGCACGCCGGCGCGCGAGGAGGTGGTGATGGTGGCTTCCCGGTG
ACCGTGTACGACGAGGACGACTCGGCGCCACCTTCCCCGCGGGCGTCGACACCGCCAGCGCGCTGGTGGAGTTC
AAGCGGAAGGAGGACACCGTGGTGCCACGCTGCGTGTCTTCGATGCAGACGTGGTACCTGCATCAGGGGAGCTG
GTGAGGCGGTACACAAGCACGCTGCTCCCCGGGGACACCTGGGCCAGCAGACCTTCCGGGTGGAACACTGGCCC
AACGAGACCTCGGTCCAGGCCAACGGCAGCTTCGTGCGGGCGACCGTACATGACTATAGGCTGGTTCTCAACCGG
AACCTCTCCATCTCGGAGAACCAGCACCATGCAGCTGGCGGTGCTGGTCAATGACTCAGACTTCCAGGGCCAGGA
GCGGGCGTCTCTTGCTCCACTTCAACGTGTGCGGTGCTGCCGCTCAGCCTGCACCTGCCAGTACCTACTCCCTC
TCCGTGAGCAGGAGGGCTCGCCGATTGCCCAGATCGGGAAAGTCTGTGTGAAAACTGCCAGGCATTAGTGGC
ATCAACGTCCAGTACAAGCTGCATTCTCTGGTGCCAACTGCAGCACGCTAGGGGTGGTACCTCAGCCGAGGAC
ACCTCGGGGATCCTGTTTGTGAATGACACCAAGGCCCTGCGGCGGCCCAAGTGTGCCGAACCTCACTACATGGTG
GTGGCCACCGACCAGCAGACCTCTAGGCAGGCCCAGGCCAGCTGCTTGTAAAGTGGAGGGGTGATATGTGGCC
GAGGAGGCGGGCTGCCCCCTGTCTGTGCAGTCAGCAAGAGACGGCTGGAGTGTGAGGAGTGTGGCGGCCCTGGGC
TCCCCAACAGGCAGGTGTGAGTGGAGGCAAGGAGATGGCAAAGGGATCACCAGGAACCTTCTCCACCTGCTCTCCC
AGCACCAAGACCTGCCCCGACGGCCACTGCGATGTTGTGGAGACCCAAGACATCAACATTTGCCCTCAGGACTGC
CTCCGGGGCAGCATTGTTGGGGGACACGAGCCTGGGGAGCCCCGGGGGATTAAAGCTGGCTATGGCACCTGCAAC
TGCTTCCCTGAGGAGGAGAAGTGCTTCTGCGAGCCCCGAAGACATCCAGGATCCACTGTGCGACGAGCTGTGCCGC
ACGGTGATCGCAGCGCTGTCTCTTCTCCTTCATCGTCTCGGTGCTGCTGTCTGCCTTCTGCATCCACTGCTAC
CACAAGTTTGGCCACAAGCCACCCATCTCCTCAGCTGAGATGACCTTCCGGAGGCCCCGCCAGGCCTTCCCGGTG
AGCTACTCCTCTTCCGGTGCCCGCCGGCCCTCGCTGGACTCCATGGAGAACCAGGTCTCCGTGGATGCCTTCAAG
ATCCTGGAGGATCCAAAGTGGGAATTCCCTCGGAAGAACTTGGTTCTTGGAAAACTCTAGGAGAAGGCGAATTT
GGAAAAGTGGTCAAGGCAACGGCCTTCCATCTGAAAGGCAGAGCAGGGTACACCACGGTGGCCGTGAAGATGCTG
AAAGAGAACGCCTCCCCGAGTGAGCTGCGAGACCTGCTGTGAGAGTTCAACGTCTGAAAGCAGGTCAACCACCCA
CATGTCTATCAAATTGTATGGGGCCTGCAGCCAGGATGGCCCGCTCCTCCTCATCGTGGAGTACGCCAAATACGGC
TCCCTGCGGGGCTTCTCCGCGAGAGCCGCAAAGTGGGGCCTGGCTACCTGGGCAGTGGAGGCAGCCGCAACTCC
AGCTCCCTGGACCACCCGGATGAGCGGGCCCTACCATGGGCGACCTCATCTCATTGCGCTGGCAGATCTCACAG
GGGATGCAGTATCTGGCCGAGATGAAGCTCGTTATCGGGACTTGGCAGCCAGAAACATCCTGGTAGCTGAGGGG
CGGAAGATGAAGATTTCCGATTTCCGGCTTGTCCCAGATGTTTATGAAGAGGATTCTACGTGAAGAGGAGCCAG
GGTCGGATTCCAGTTAAATGGATGGCAATTGAATCCCTTTTTGATCATATCTACACCACGCAAAGTGATGTATGG
TCTTTTGGTGCTCTGCTGTGGGAGATCGTGACCCTAGGGGGAAACCCCTATCCTGGGATTCTCCTGAGCGGCTC
TTCAACCTTCTGAAGACCGGCCACCGGATGGAGAGGCCAGACAACCTGCAGCGAGGAGATGTACCGCCTGATGCTG
CAATGCTGGAAGCAGGAGCCGGACAAAAGGCCGCTGTTTGGCGACATCAGCAAAGACCTGGAGAAGATGATGGTT
AAGAGGAGAGACTACTTGGACCTTGCGGCGTCCACTCCATCTGACTCCCTGATTTATGACGACGGCCTCTCAGAG
GAGGAGACACCGCTGGTGGACTGTAATAATGCCCCCTCCCTCGAGCCCTCCCTTCCACATGGATTGAAAACAAA
CTCTATGGCATGTGACACCGAACTGGCCTGGAGAGAGTCTGTACCCTCACGAGAGCTGATGGCACTAACACT
GGGTTTCCAAGATATCAAATGATAGTGATATGCTAACTGGATGCTTTTACCCTCAGCGGCAAAATTAATGGAC
ACGTTTGATAGTTAACATTTCTTTGTGAAAGGTAATGGACTCACAAGGGGAAGAAACATGCTGAGAATGGAAAGT

3168/6881
FIGURE 2921B

CTACCGGCCCTTTCTTTGTGAACGTCACATTGGCCGAGCCGTGTTTCAGTTCCCAGGTGGCAGACTCGTTTTTGGT
AGTTTGTTTTAACTTCCAAGGTGGTTTTACTTCTGATAGCCGGTGATTTTCCCTCCTAGCAGACATGCCACACCG
GGTAAGAGCTCTGAGTCTTAGTGGTTAAGCATTCTTTCTCTTCAGTGCCAGCAGCAGCAGTGTGGTCTGTG
TCCATCAGTGACCACCAACATTCTGTGTTTACATGTGTGGGTCCAACACTTACTACCTGGTGTATGAAATTGGAC
CTGAAGTGTGGATTTTTCTAGTTGCCGCCAAACAAGGCAAAAAAATTTAAACATGAAGCACACACAAAAAAG
GCAGTAGGAAAAATGCTGGCCCTGATGACCTGTCCTTATTCAGAATGAGAGACTGCGGGGGGGCCTGGGGGTAG
TGTCATGCCCCCTCCAGGGCTGGAGGGGAAGAGGGGCCCCGAGGATGGGCCTGGGCTCAGCATTGAGATCTTGA
GAATGATTTTTTTTAAATCATGCAACCTTTCCTTAGGAAGACATTTGGTTTTTCATCATGATTAAGATGATTCCTA
GATTTAGCACAATGGAGAGATTCCATGCCATCTTACTATGTGGATGGTGGTATCAGGGAAGAGGGCTCACAAGA
CACATTTGTCCCCGGGGCCACCACATCATCTCACGTGTTCCGTTACTGAGCAGCCACTACCCCTGATGAGAACA
GTATGAAGAAAGGGGGCTGTTGGAGTCCCAGAATTGCTGACAGCAGAGGCTTTGCTGCTGTGAATCCACCTGCC
ACCAGCCTGCAGCACACCCACAGCCAAGTAGAGGCGAAAGCAGTGGCTCATCTACCTGTTAGGAGCAGGTAGG
GCTTGTAAGTCACTTTAATTTGAATCTTATCAACTTACTCATAAAGGGACAGGCTAGCTAGCTGTGTTAGAAGTAG
CAATGACAATGACCAAGGACTGCTACACCTCTGATTACAATTCTGATGTGAAAAAGATGGTGTGGCTCTTATA
GAGCCTGTGTGAAAGGGCCATGGATCAGCTCTTCTGTGTTTGTAAATTTAATGCTGCTACAAGATGTTTCTGTTT
CTTAGATTCTGACCATGACTCATAAGCTTCTTGTCACTTCTTATTGCTTGTGTTGTGGTCACAGATGCACAACACT
CCTCCAGTCTTGTGGGGGCGAGCTTTTGGGAAGTCTCAGCAGCTCTTCTGGCTGTGTTGTGAGCAGTGTAACTTCG
CAGAAAAGAGTCGGATTACCAAAACACTGCCTGCTCTTCAAGCTTAAAGCACTGATAGGACTTAAATAGTCTCA
TTCAAATACTGTATTTTATATAGGCATTTACAAAAACAGCAAAATTGTGGCATTGTTGTGAGGCCAAGGCTTGGA
TGCGTGTGTAATAGAGCCTTGTGGTGTGTGCGCACACCCAGAGGGAGAGTTTGAAAAATGCTTATTGGACACG
TAACCTGGCTCTAATTTGGGCTGTTTTTCAGATACACTGTGATAAGTTCTTTTACAAATATCTATAGACATGGTA
AACTTTTGGTTTTTCAGATATGCTTAATGATAGTCTTACTAAATGCAGAAATAAGAATAAACTTTCTCAAATTATT
AAAAATGCCATACACAGTAAGTGTGAATTGCTGCAACAGGTTTGTCTCAGGAGGGTAAGAACTCCAGGTCTAAAC
AGCTGACCCAGTGATGGGGAAATTTATCCTTGACCAATTTATCCTTGACCAATAACCTAATTGTCTATTCTGAGT
TATAAAAGTCCCCATCCTTATTAGCTCTACTGGAATTTTATACACGTAAATGCAGAAGTTACTAAGTATTAAGT
ATTACTGAGTATTAAGTAGTAATCTGTCAGTTATTAAAATTTGTAAAATCTATTTATGAAAGGTCATTAAACCAG
ATCATGTTCCCTTTTTTTGTAAATCAAGGTGACTAAGAAAATCAGTTGTGTAAATAAAATCATGTATC

3169/6881
FIGURE 2922

GATGAGAGCATTACCTCCAGCTGCAGAAGAAACACAGGGACAAGATGCTGCGCATGCAGAAAGGTGACCCACAA
GTCTATGAAGAACTTTTCAGTTACTTCTGCCCCAAGTTCCTGTGCGCTGTAGTGCCCAACTATGATAATGTGCAC
CCCAACTACCACAAAGAGCCCTTCCTGCAGCAGCTGAAGGIGTTTTCTGATGAAGTACAGCAGCAGGCCAGCTT
TCAACCATCCACAGCTTCCTCAAGCTCTACACCACCATGCCTGTGGCCAAGCTGGCTGGCTTCCTGGACCTCACA
GAGCAGGAGTTCAGGATCCAGCTTCTTGTCTTCAAACACAAGATGAAGAACCTGGTGTGGACCAGCGGCATCTCA
ATCCTGGATGGTGAATTTTCAGTCAGCCTCAGAGGTTGACTTCTACATTGATAAGCTTAATCGAACCCCTGAAGAAG
ATGGGACAGAGACCCTGATGACATTCACACACATTATTTAGGAACCTGTTTTGATATATTACAGGCAGGAAGTGT
TTTTGCTACCGTGAAACCTTTACCTAGATCAGCCATCAGCCTGTCTACTCAGTTAACAAGTTAAGGACCGACGTG
TTTCAAGTGGATATCAGTAAAGGATCTTTGGAGCC

3170/6881
FIGURE 2923

ATGAAGGAAGACTGTCTGCCGAGTTCTCACGTGCCCATCAGTGACAGCAAGTCCATTTCAGAAGTCGGAGCTCTTA
GGCCTGCTGAAAACCTACAACCTGCTACCATGAGGGCAAGAGCTTCCAGCTGAGACACCGTGAGGAAGAAGGGACT
CTGATCATCGAGGGGCTCCTCAACATTGCCTGGGGGCTGAGGCGGGCCATCCGGCTGCAGATGCAGGATGACCGG
GAGCAGGTGCACCTCCCCTCCACCTCATGGATGCCCAGACGGCCTAGCTGCCCTCTAAAGGAGCCATCGCCCCAG
AACGGGAACATCACAGCCAAGGGGCAAGCATTTCAGCCAGTGCACAAGGCTGAGAGTTCCACAGACAGCTCGGGG
CCCCTGGAGGAGGCAGAGGAGGCCCCCAGCTGATGCGGACCAAGAGCGACGCCAGTTGCATGAGCCAGAGGAGG
CCCAAGTGCCGCGCCCCCGGTGAGGCCCAGCGCATCCGGCGACACCGGTTCTCTATCAACGGCCACTTCTACAAT
CATAAGACCTCCGTGTTTACTCCAGCCTATGGATCCGTGACCAATGTGAGGGTCAACAGCACCATGACAACCCTG
CAGGTGCTCACCTGCTGCTGAACAAATTTAGGGTGGAAGATGGCCCCAGTGAGTTCGCACTCTACATCGTTCAC
GAGTCTGGGGAGCGGACAAAATTAAAAGACTGCGAGTACCCGCTGATTTCCAGAATCCTGCATGGGCCATGTGAG
AAGATCGCCAGGATCTTCCTGATGGAAGCTGACTTGGGCGTGGAAGTCCCCATGAAGTCGCTCAGTACATTAAG
TTTGAAATGCCGGTGCTGGACAGTTTTGTTGAAAAATTAAAAGAAGAGGAAGAAAGAGAAATAATCAAACCTGACC
ATGAAGTTCCAAGCCCTGCGTCTGACGATGCTGCAGCGCCTGGAGCAGCTGGTGGAGGCCAAGTAA

3171/6881
FIGURE 2924

MKEDCLPSSHVPISDSKSIQSELLGLLKTYNCYHEGKSFQLRHREEEGTLIEGLLNIAWGLRRPIRLQMQDDR
EQVHLPSTSWMPRRPSCPLKEPSPQNGNITAKGPSIQPVHKAESSTDSSGPLEEAAEEAPQLMRTKSDASCMSQRR
PKCRAPGEAQRIIRRHRSINGHFYNHKTSVFTPAYGSVTNVRVNSTMTTLQVLTLLLNKFRVEDGPSEFALYIVH
ESGERTKLKDCEYPLISRI LHGPCEKIARIFLMEADLGVEVPHEVAQYIKFEMPVLDSFVEKLKEEEEEREI IKLT
MKFQALRLTMLQRLEQLVEAK

3172/6881
FIGURE 2925

CACACTGCTCAGGGAAGAGCCTGCTACGGTGGACTGTGAGACTCAGTGCACTGTCCTCCTCCCAGCGACCCCACG
CTGGACCCCCCTGCCGGACCCTCCACCCTTCGGCCCCCAAGCTTCCCAGGGGCTTCCTTTGGACTGGACTGTCCCT
GCTCATCCATTCTCCTGCCACCCCCAGACCTCCTCAGCTCCAGGTTGCCACCTCCTCTCGCCAGAGTGATGAGGT
CCCCGGCTTCTGCTCTCCGTGGCCCATCTGCCCACAATTCGGGAGACCACGGAGGAGATGCTGCTTGGGGGTCCTG
GACAGGAGCCCCCACCCTCTCCTAGCCTGGATGACTACGTGAGGTCTATATCTCGACTGGCACAGCCCACCTCTG
TGCTGGACAAGGCCACGGCCCAGGGCCAACCCAGGCCACCCCACAGGCCAGCCCAGGCCTGCCGGAAGGGCCGCC
CTGCTGTGTCCCTGCGAGACATCACCGCACGTTTCAGTGGCCAGCAGCCCACACTGCCCATGGCTGATACTGTGG
ACCCCTTGGACTGGCTTTTTTGGGGAGTCCCAGGAAAAGCAGCCAAGCCAGAGGGACCTGCCAAGGAGGACTGGCC
CCTCTGCTGGCCTCTGGGGTCCACATAGACAGATGGACAGCAGCAAGCCCATGGGGGCCCCCAGAGGGAGGCTCT
GTGAAGCCAGGATGCCTGGGCATTCCCTGGCAAGACCACCGCAGGATGGGCAGCAGAGCTCTGACCTAAGAAGCT
GGACTTTTGGGCAGTCTGCCCAAGCCATGGCCTCCCGCCACCGCCCCCGCCCCAGCAGTGTCTCAGAACACTCT
ACTCGCACCTCCCGGTGATCCATGAACCTCTGACCCCTCCCCAGTAAAGGCTTCTGTAGAGAGCATGCTGGGTCTG
CATCTCCTCTCGTCTCCTCCATGGTGGTCACTGCCCCCTGGCAGGTCTCTGAAAGGGAAATGCTTTTCTGCAGAGG
CCCCTGCTTGGGCAGTTCACAGTGAGACCGACCCCTCTGAATATGATAACAGCCTGTTTTCACATGAGGAGATGT
TACCAATCCCGTTCGCTCTGACCCTTGCTGGCTGATCACCTTGAGCAACTTACTTAACATCTGTGTTTCTCAGTT
TCTCATGGGTAATATAGGGATAATTACTGGCACCTGCCTCCCAGGCCATTCTGACGTGTAACCGCATATAGGAGC
CCACTGGCTGAGTAGCTACCATCATCGCTGGTGGGGAAACTGGTGGTAGGGGTGTGAGGGTAGTGGGGGTGTCAG
CCCCCAGGTGTTTTCAGAACAAGGCCTCGGGCACTCCCAAGTCTGCCTCTTGGCTCCCACCCTCAAAGCCCATGT
TCTGTGAGGCCCAAGAGAACACATGGAGTCTTAGCAAATGCACTAATGTATTCCGGGGGACTGTCACCTGGCACC
ACTGGGGCACTCTGCTGGCTACAACCTACATACGTCCTGTGGTGGCATTGGGAGAGTTCCCCCATGATGAGGGCCAA
GATAGAATCTGTACCACTCAGTGCTACCATCCCCACCCCTACACCCTTCCACACAGGGGCCTCATGGCATGGTC
AGGGTCCCAGCTGTGGGTGAGAGCAGGGCACTGTCCAGCTGTCCACTGGGGAAGTCAAGATGTCCTAAGGCCCAG
GTCAGGGCATCTGGAGTCTGAAGGACCCTAGTTCCTAGAGGCATCTGGCAGCAAGAAGGTGAGGCATCAGGGAAC
GGGAATCAGGCTGGGACTGATCAGAGGTGAAGGGACAGAGAGAGGAGAGGAAGATTGAGCTGGGGGCAACAG
CCAAGCTCACCTGGGCAGGTCTCTGCCACCTCCTTGCTCTGTGAGCTGTCAGTCTAGGTTATTCTCTTTTTTTGT
GGCTATTTTTTAATTGCTTTGGATTTGTTAAATGTTTTCTGTCTTCTGTTAAGTGTGTTTTCTCTGGAGATAGAAT
GTAAACCATATTAAAAGGAAAAAGTTTTAGACAAGCAATTACCCAGTTTCCTTATCTATAAAATGGGGACATCAG
CAATGTTCTTCACACCCTGCAAGGGCTGGGAATCTGCGCATGTGAACCTGGAGCTGCATTTATGAGCACTGTAGA
CAAATGTTTGTATCTGTAC

3173/6881
FIGURE 2926

GTCGTGGAAGCAGGACTGCGCCGCGTCTTCCTCAAGGTGGGGTTCGGGGGGCCACCGAATCGCTGTCACGCCGGC
AGGTTGAGAACAACAAACATGCACCTGGAGTTTCCCCGGAGCCCTCTGCGTGGTTGAGCTTCGGTGGAATTTCGGG
GCTCTTGGCTGCCAGCCGCGCTTGCTGGTAGCAACAGAAACCAGTCCCTGCTCGCCTCCGTGGACATTTTATTAC
CATCCAGAAGTGTCTCCCACTGAAGGCATCCGTGGTTGTTTTTAAGCCACAAAAAGCCACACCCAAGATCACCT
GACACCCACCCTGACAAGTGTCCATGATGCTGGGCCCTGAGGGAGGTGAAGGCTTTGTGGTCAAGCTCCGTGGCC
TGCCCTGGTCTGCTCTGTTGAGGACGTGCAGAACTTCCTCTCTGACTGCACGATTCATGATGGGGCCGCAGGTG
TCCATTTTATCTACTAGAGAGGGCAGGCAGAGTGGTGAAGGCTTTTGTGAACTTGATCAGAAGATGATGTAA
AAATGGCCCTGAAAAAAGACAGGGAAGCATGGGACACCGGTACATTGAGGTGTTCAAGTCCACAGAACCGAGA
TGGATTGGGTGTTGAAGCACAGTGGTCCCAACAGTGCCGACAGCGCCAACGATGGCTTCGTGCGGCTTCGAGGAC
TCCCATTGATGCACAAAGGAAGAAATTGTTCAAGTCTTCTCAGGGTTGGAAATTGTGCCAAACGGGATCACAT
TGCCCTGTGGACCCCGAAGGCAAGATTACAGGGGAAGCGTTCGTGCAGTTTGCCTCGCAGGAGTTAGCTGAGAAGG
CTCTAGGGAAACACAAGGAGAGGATAGGGCACAGGTACATTGAGGTGTTTAAGAGCAGCCAGGAGGAAGTTAGGT
CATACTCAGATCCCCCTCTGAAGTTCATGTCCGTGCAGCGGCCAGGGCCCTATGACCGGGCCGGGACTGCCAGGA
GGTACATTGGCATCGTGAAGCAGGCAGGCCTGGAAAGGATGAGGCCCTGGTGCCTACAGCACAGGCTACGGGGGCT
ACGAGGAGTACAGTGGCCTCAGTGATGGCTACGGCTTCACCACCGACCTGTTTCGGGAGAGACCTCAGCTACTGTC
TCTCCGGAATGTATGACCACAGATACGGCGACAGTGAGTTCACAGTGACAGCACCACAGGCCACTGTGTCCACA
TGAGGGGCTGCCGTACAAAGCGACCGAGAACGACATTTACAACCTCTTCTCTCCTCTCAACCCTGTGAGAGTCC
ATATTGAGATTGGCCAGATGGAAGAGTGACGGGTGAAGCAGATGTTGAGTTTGCTACTCATGAAGAAGCTGTGG
CAGCTATGTCCAAAGACAGGGCCAATATGCAGCACAGATATATAGAATCTTCTTGAATTCAACAACAGGGGCCA
GCAATGGGGCGTATAGCAGCCAGGTGATGCAAGGCATGGGGGTGCTGCTGCCAGGCCACTTACAGTGGCCTGG
AGAGCCAGTCAGTGAGTGGCTGTTACGGGGCCGGCTACAGTGGGCAGAACAGCATGGGTGGCTATGACTAGTTTT
GTTAGGAACATTTGAGTTACTTCAATCATTTTCACAGGCAGCCAACAAGCAATTAAGAGCAGTTATAATAGAGGA
AGCTGGGGGACCCATTTTGCACCATGAGTTTGTGAAAAATCTGGATTAAAAAATTACCTCTTCAGTGTCTTCTCA
TGCAAAATTTTCTTCTAGCATGTGATAATGAGTAACTAAACTATTTTCAGCTTTTCTCAATTAACATTTTGGT
AGTATACTTCAGAGTGATGTTATCTAAGTTTAAAGTAGTTTAAAGTATGTTAAATGTGGATCTTTTACACCACATCA
CAGTGAACACACTGGGGAGACGTGCTTTTTTGGAAAACTCAAAGGTGCTAGCTCCCTGATTCAAAGAAATATTTT
TCATGTTTGTTCATTCTAGTTTATATTTTCATTTAAATCCTTTAGGTTAAGTTTAAAGCTTTTAAAAGTTAGTT
TTGAGAATTGAGACACAATACTAATACTGTAGGAATTGGTGAGGCCTTGACTTAAACTTTCTTTGTACTGTGAT
TTCTTTTGGGTGTATTTTGCTAAGTGAACTTGTTAAATTTTTTGTAACTAAATTTTTTCTTAAATAAAGA
CTTTTTCACAATGACTGGCACAGATTACTCAGCAAAAGATAGCAAAACGGGTGGTTGAAGATAATTCATTTTAAAT
CGTAATGTATTTTAGTGTGAATTTAAAAATTTTATACATCAAATCTATGATCTCCCTTATATTCATTATGATGAGG
CTAAATAAAAGTCTAATAAAAAATGTTAAATATGTGAATGGTGAAATGGTGACTAGCAGCACACATTCTGGGAAG
CATCAAAATAGACACACGGCCCCAGCCACCTGCAACTTATGTGCACTGTTGTAAACCATTTCAGAAATTTTCTGCTA
GGCCCTTGATGCTGGAGTCACATCTGTTGATAGCTGGAGAACTTTAGTTTCAAGTACTACATTGTGAAAGCAATT
ATTTTGTCTTAGTTTTTATAAAATGCTGATTTAACTTTT

3174/6881
FIGURE 2927

CGTGTGCACCCTAGCGTCAGCCTCGAGTTTGACCAGCAGCAGGGGTCGGTGTGTCCCTCTGAATCTGAGATCTAT
GAGGCAGGAGCTGAGGACAGGATGGCAGGAGCGCCCATGGCTGCTGCTGTACAGCCTGCTGAGGTGACTGTTGAA
GTTGGTGAGGACCTCCACATGCACCACGTTTCGTGACCGGGAGATGCCTGAAGCTTTGGAGTTTAACCTTTCTGCC
AATCCAGAGGCAAGCACAATATTCCAGAGGAAGTCTCAAACAGATGCTTTGGAGTTTAACCTTTCTGCCAATCCA
GAGGCAACACAATATTCCAGAGGAAGTCTCAAACAGATGGTGAGACGACATTGTTTTTTCCGCCAAGAGAAAGA
ATAAAATCTCTTGTTTGATCAGGTT

3175/6881
FIGURE 2928

MGNILTCRVHPSVSLEFDQQQGSVCPSESEIYEAGAEDRMAGAPMAAAVQPAEVTVEVGEDLHMHVVRDREMPEA
LEFNLSANPEASTIFQRNSQTDALFNPSANPEANTIFQRNSQTDGETTLFFPPRERIKSLV

3176/6881
FIGURE 2929

GAATTTCCGTTTCCGGCGGTGTCCAAGCGGACCTAAGGAGTCGCAGTTGTGAACAGGTTAGAGTTACTTGTTATT
GGTAAATAGCCACTATGGAGACTAAGGACCAGAAGAAACACAGAAAGAAAAACAGTGGACCCAAAGCTGCAAAGA
AAAAGAAGTGGCATCTGCAGGATCTCCAGCTAGGAGACGAAGAAAATGCCCAGAAGAGAAATGCCAATGCTTTTG
CAGTTCAGTCTGCTGTGTGGATGTCTCGATCCTTTCACAGGACTCTGGATTTGAAGACACAAAAGCATCATATTC
CAGTGGTTGATGGAACCTCACTAGAGCCGCCACCAATAGCGGTAGTGGTGACGGGGCCTCCAAAGTTGGAAAGAG
CACTTTGATATAATGCCTCATTTCGGAACCTTCACCTGGCAGAAGTTCACCGAGATCAGAGGCCCTGTGACGATCGT
GTCAGGTAAAAAGCGCAGACTCACCATTATTGAATGTGGGTGTGACATTAACATGATGATTGATCTGGCTAAAGT
AGCAGATCTGGTAAGTGAGCAGGGGCAGCCTGGGGTGCTGATGGAGACTTACAGCATTGTGATAGGTTATTTACC
CCGTGATGAAGGGAAGAGAGTTTTGTGATTATTTAAAGGATCATGGTCATTATCAGGGATATAGTAGATGTGATT
GAATTGATGATGATAATAATAATAGTAATAAATGTTGTCATATTAATAATACAAATGGAATGTGCACAATGAAAT
GTGTTCCAAAATCTAAAAGCAGATCACAGGA

3177/6881
FIGURE 2930

ATGGCATTCAAGACCCTTTGTGGTGAGGTAGATGAGCGTCAGGAAGGATCATCCTCCTCATCCGCAGATCCAACA
GCCGGTAACATTCCGGCCTACAGCACGTCCCTACCTCAGCTGAACCGCTGGGACCAACACGCCGTACCGCAGCCG
CGCACGCCCAGCACGCCACTCCCGGCCTGCCCCGGGGCCTGACGTCATCACATCGCGACGCTCGCTGATCCCGCCC
GGATTACCTGGGCTCTGGACGAGAAGCGCCTCGTCCCTTAGCCACACCCCCGGGGAGCCAGGGGCATCTGGCAT
CCGGCAAGTGGCAGCTCCCTCATCATCCTGTCTGATCCAAATTCAACCCACATTCAGCCAGCTCTGAAGGTACGG
CTGGCTGTATGTGGCAAACAGAGCAGCCACGACCACAAACTGCCGGGACTTCACAATTGGCTTTGTAGTTTTGCT
GAGGGACTGTCCAGGTTTGGAGAAGTCCTAGCCTATCACAGGGATACCTGGTTTGAAGTGTGCTGACCTCATATCTT
TACCGTGACCTCGGTGGGCCAGAGATGCAGGCAGCTGGCCATGAAGACGCACTTCCCCGAGGAAGAGGAGACAGG
CTCACCCGCTGCAGGGCAGTCCCACAGCCTGCCTGCAATGGAGCCTTCAAGAATACAAACACTTCTAGAACAAGT
TATCAGGAACATGGCATGGTTGGGCCTTCTCTGAACGGGGCCCCAGGGTAAGCCATCTGATAAGGGAGAAACATCT
GCCAACACCCTCAGCCACAGCGTCACTGGGCTCAAGGGCCACAAAGGAGGCAAAAGCCTGCAGGGAAAAGAAATC
CAAGACAGTAAAACAGAAGAACGAGTATTTGCCTGTAACTATCTGTGTGTCAGAGGTTCTCTGGTGAGGTGCCAGAG
CACCCAGGACCAGCACACAAGACACAGTCATACTGAGATGGAGGACAAGGTTCCCTACAGGGACGAAGATGAG
ACAACAGAGCGACAAACACAGGAAAGTGACTTCAGGCATCCATTAGGAGGGACAAGCAGTAGCCCTACTTATGGG
TGGCAAGATGTCACCTTCATTCTGGCAAAGCTGATTGAAGAATGCAGCATTAGATGTGCAGCTATACAGACCTGC
CAGATCAACAAGCCCTCGGGCAATGCCTATGATGCTGCTTCACTGGCTGCACAGTCACAGGGACCTCCCCAGAAC
TGCTGTGCAAAGGGTCAACTTCCAGACCCCCAGAGGCCAATGTCTTCATGGTGCTCCTGGTGGAGCCACCAGCT
GCTCCCAGCCCGGCTGCCACACAGAGAGTACGGCAGCCTCACACTGCTGGTTATCCCAGAGGCTTGGAGCAGGGT
TGGAGGGATGAAGCAGGCCTGGACTGCGTCTTAGGAAGACAGAAGCCATCGTCGATATGGCCGTTCCCTTGTC
CCTCCCTCCTGCTCCTACAGCAAGCATAACCAGGGCTGACTCCTCTCCACACCGCAGCATGGAGAATTCAGAGGGC
AATAATAGCAACTGCTTGCTTGTAAGTGCTTGGAGCTCAGAGGAGAAAAGGTGTCAGACAAGTGTAAGTGTAAATGT
CTACTGGCACAGGCCAGAGGATGGAATGGAAAATCCCAGCAGAAATTGGGAACCTCAGAGGAAGCCATTTGTCAGC
TCCTCTGAACAAATGGATACAGGAAAAGGGGCCTTCCCTCTGGCAGCCAGGCACAGCCCAGACCACTGCTGCCCCAC
AGCCCTCACCAAGAGAGGAACATAGAGGGGAAGCGGGGAGGGGAGGAGGCTAGTAATATAGCTCATAGTCAG
ACTCAGACCAATCTGCTGGTCTTGGAACAAGGAGTTTTGTGAGCAGAGAACTCATGCTGCTCTCCTTGGGCACATG
GAAATTGGAATCCTAAGGAGTCCTCACAAAGCCCCAGAGAAATCTGGCCATTCTCCAGGGGACCGAGCATCCCCC
ATGGTGCTGCAATGGGAGTCCCCAGAAGCTACCACCCCCCAACCAGCTTTGGACACCCCTGCTCTTATTTTCTGCA
TCCCCAGAACTACCTGCCCTAGTGCTGAGCTCATGGAAGTTCCTCAGGAAGCATCTTCACATGGATGTTGAAGAG
AAAAAATCTCCAGGTCCCACGGGGTGCTGTGGGAGTCCAAAATCAGGACTCCAAAAGGCCTGTGA

3178/6881
FIGURE 2931

AGTGCTCTTGGCCGGGAGGAGGCTGTGCTGCACCAGCACCTCTTGCTCCACATCTCCAGAGAGCCCAGGGCCCTG
TGGCCGAGTGTGTCCAGCCCAGTGTCTATGGGGAGCTTCCATATCTCATGGCTCCTTGCTGGGCCAAGCCCTCCAG
AACCCCAAAACCCCAAGACTGATGAATGCCAGAGTGGCCACCTTGCTTATCTGTGGCCCCGGCCCTGGTGATCA
CCATGGCAGCTGGGAAGGGAGCCCCGTTGAGCCCATCGGCTGAAAACAGATGGCGACTTAGCGAACCTGAGCTGG
GCCGGGGCTGCAAGCCAGTGTGCTCGAGAAGACGAACCGCCTGGGCCCTGAGGCTGCTGTGGGCAGGGCGGGCC
GGGATGTGGGCAGTGCAGGAGCTGGCACTGTTGGTAGCCCCAGGCAAGCCCCGACCTGGCAAGCCGCTGCCCCGA
AGACACGTGGAGAGCAGAGGCAGAGCGCCTTCACGGAGCTGCCGAGGATGAAGGACCGGCAGGTGGATGCTCAGG
CCCAGGAGAGGGAGCAGATGACCCACAGGCCAACCTGGTGCCCCACAGCTGACCCAGAACATCCCCAGAGGCC
CAGCTGGCAGCAAAGTCTTCTGTGTGGCCAGCGGAGCACGAAGTGAGCAAAGAAGCGCCTTTAGCAAACCAA
CCAAGCGACCAGCAGAGAGGCCTGAGCTAACCTCAGTCTTCCCTGCAGGGGAATCTGCAGATGCCCTGGGGGAGC
TGTCTGGACTCCTCAACACTACAGACCTCGCTTGTGGGGTCGACTTTCAACTCCCAAGCTTTTGGTTGGTGATT
TGTGGAACCTGCAAGCATTGCCACAGAATGCTCCACTCTGTAGCACTTTCTGGGTGCCCTTACACTGTGGCTGG
AGCATACCCAGGCCCAGGTGCCCCACCCTCATCATCTCCACCCTTCGTGGGCCCTCCTGCCACCCACCCTCA
CCTCCCTGGGCTTGTCCACCAGAACTGGTGTGCAAAGTGCAACCTGTCTTTCGCCTAACGTCCGACCTGGTCT
TTCATATGCGATCCACCACAAAAGGAGCATGCGGGGCCTGACCCACATTCTCAGAAGCGGAGAGAAGAGGCC
TTGCCTGCCCTGTGTGCCAGGAGCACTTCCGGGAGCGCCACCACCTCTCCCGGCACATGACTTCTCACAGCTAGC
AGGTGACCGCAGAATGACCTGCTGGGTGCAGCAGCCAGCCTTTGGCAGAGGGGGGCTCCCTGGGCCTGCGTTGAG
GGGGCTGTCTATGGTCTTTTGCAGAGCTGCTGCTTTTGGCATTATAGATAAACAGCTCAGGCATAATTTGAAAA
GCCACACCTGCATGATGTGTTTTGAAGGAAATGAAGTCTGAAATAAAGTGATGGGCTTTGCAAATCCAGGGTAG
AGGCCCTAACAGGCACAGAGAGCAGGGGCAACTCCTGGCACACATCATGGGCTTTGGAGGCACACAAGCCTGGAT
TCGAATCTGGGCTCTTTACATACTAGCTGTGACCCTGGACAAAGAGCTTTAACCTGCTGAGTCCCCATTTTCTC
ATCTGTGAAATGGAGATGATAACACTGTGTCTTAGGTTGGCATTACAGGTCACATGAAAGGTGTGTGGAAAGTGGC
CAGCATTTCTGCCTGCAGACCTGAGCACTGAGTCAACAAGGTTTGTGATGATGTCTGTACTAGTTAGCTATTGTT
ATTAACAAGATCTCCATGGCAGACAAGCTAAAGCATCTGCCTAAGTCGTGAGTCTGTGGGTTGGCTCAGGTTAAG
CTGAGCAGGTGGGGATCTCAGCCAGCCTCCCAGACTGCACCTCTTCTATTGCTCTCCTCTGTCCACCGTTCCAGG
CAGCAGCACTCCCACCTGGCTGCTCTGATGTCTCTGCTCCCTCCATTCTGCTCTCACCATGCACGCATCCATT
GTCCACACACACACAACCAGATAATCTTCTGAAAGTGTAACCTCAGATGATGCCCTCAACCCTGTGGCTGCCCTTC
ACACTTACAGGCCTAACCCAGCAGGACCTGCCAGCTGCTTCATGAACAAGTCCCTGCCTCATGTTAATTGCAAG
CACTCATTTCACTCTCCCTGTGTGCCAGGCAATAGCATAAGCACTGGAAGAATACAGATGTTATAGTGAGTCCTA
CAATAGCCCTGGAAGGCAAGAGCTGTTTCCCTTTCCATTTCTACAATGAGTCAATTGCAGATGATGCTATAACACT
TCCAGTGTTTCTGACACTTCCCTGAAGCTATACCTGCTACCTTCATGGGCCGAGCTTGCCCTTATGAGGCCACA
GGTGGCAGTGGGCAGAGGGGACCCGCTATACCACCTCGCTGCTGTTCCACTGTCTGCTCCCGTGTCTGACCAC
AGCTCTGGTGCCGTTTCTCAAGCCTGGGCTTCATTCAACATTTCTATCTAGCTCTTCATGGTGCTGCTCCTGCT
ATGGTTCCACAGGGCTTCTTCTCGCAGGTCAGCTCCTTAGAGAGGTCTCCAGATTCCCCGTAAAGCAGCCCTGC
AGCCTCTGCCTCTCTCAGCCGCATCACCTGTTGCTTCCCTTCACAGCATGTCTCACCATCTGCAACCATCTTCT
GTTTGTGCTCTTGTGATTGCTGCTCCACACTGTGAGCTCCTTGGGAACAGAGATTGGTTTGTGTTACTGTGCA
TCCCTGGTGCCCAAGACAGGCATGGCATATTGTTGGTGCATAATAAATATTGTGGAAAT

3179/6881
FIGURE 2932

MPFWPPCLSVAPALVITMAAGKGAPLSPSAENRWRLSEPELGRGCKPVILLEKTNRLGPEAAVGRAGRDVGS AELA
LLVAPGKPRPGKPLPPKTRGEQRQSAFTELPRMKDRQVDAQAQEREHDDPTGQPGAPQLTQNI PRGPAGSKVFSV
WPSGARSEQRSASF SKPTKRPAERPELTSVFPAGESADALGELSGLLNTTDLACWGRLSTPKLLVGDLWNLQALPQ
NAPLCSTFLGAPTLWLEHTQAQVPPSSSSTTSWALLPPTLTSLGLSTQNWCAKCNLSFRLTSDLVFHMRSHHKK
EHAGPDPHSQKRREEALACPVCQEHFRERHHL SRHMTSHS

3180/6881
FIGURE 2933

GGCCTGCTCACTCCTCAGCTGCAGGAGCCAGACGTGTGGAGTCCCAGCAGAGGCCAACCTGTGTCTCTTCATCTC
CCTGGGAAAGGTGCCCCGAGGTGAAAGAGATGGCCTGGTGGAAATCCTGGATTGAACAGGAGGGTGTACAGTG
AAGAGCAGCTCCCACCTTCAACCCAGACCCTGATGCAGAGACCCCTCTACAAAGCCATGAAGGGGATCGGGACCAAC
GAGCAGGCTATCATCGATGTGCTCACCAAGAGAAGCAACACGCAGCGGCAGCAGATCGCCAAGTCCTTCAAGGCT
CAGTTCGGCAAGGACCTCACTGAGACCTTGAAGTCTGAGCTCAGTGGCAAGTTTGAGAGGCTCATTGTGGCCCTT
ATGTACCCGCCATACAGATACGAAGCCAAGGAGCTGCATGACGCCATGAAGGGCTTAGGAACCAAGGAGGGTGTG
ATCATTGAGATCCTGGCCTCTCGGACCAAGAACCAGCTGCGGGAGATAATGAAGGCGTATGAGGAAGACTATGGG
TCCAGCCTGGAGGAGGACATCCAAGCAGACACAAGTGGCTACCTGGAGAGGATCCTGGTGTGCCTCCTGCAGGGC
AGCAGGGATGATGTGAGCAGCTTTGTGGACCCAGGACTGGCCCTCCAAGACGCACAGGATCTGTATGCGGCAGGC
GAGAAGATTCTGTGGGACTGATGAGATGAAATTTCATCACCATCCTGTGCACGCGCAGTGCCACTCACCTGCTGAGA
GTGTTTGAAGAGTATGAGAAAATTGCCAACAAGAGCATTGAGGACAGCATCAAGAGTGAGACCCATGGCTCACTG
GAGGAGGCCATGCTCACTGTGGTGAAATGCACCCAAAACCTCCACAGCTACTTTGCAGAGAGACTCTACTATGCC
ATGAAGGGAGCAGGGACGCGTGATGGGACCCTGATAAGAAACATCGTTTCAAGGAGCGAGATTGACTTAAATCTT
ATCAAATGTCACCTTCAAGAAGATGTACGGCAAGACCCTCAGCAGCATGATCATGGAAGACACCAGCGGTGACTAC
AAGAACGCCCTGCTGAGCCTGGTGGGCAGCGACCCCTGAGGCACAGAAGAACAAGAGCAAAGACCATGAAGCCAG
AGTCTCCAGGACTCCTCACTCAACCTCGGCCATGGACGCAGGTGGGTGTGAGGGGGGTCCCAGCCTTTTCGGTCT
TCTATTTCCCTATTTCCAGTGCTTTCCAGCCGGGTTTCTGACCCAGAGGGTGAACCGGCCTGGACTCCTCTTCC
CACTTCCCTCCAGGTCATTTCCCAGTGTGAGCACAATGCCAACCTTAGTGTTTCTCCAGCCAGACAGATGCCTCA
GCATGAAGGGCTTGGGGACTTGTGGATCATTCTTCTCCTCCCTGCAGGAGCTTCCCAAGCTGGTCACAGAGTCTCC
TGGGCACAGGTTATACAGACCCCAGCCCCATTCCCATCTACTGAAACAGGGTCTCCACAAGAGGGGCCAGGGAAT
ATGGGTTTTTAACAAGCGTCTTACAAAACACTTCTCTATCATGCAGCCGGAGAGCTGGCTGGGAGCCCTTTTGT
TTAGAACACACATCCTTCAGCAGCTGAGAAACGAACACGAATCCATCCCAACCGAGATGCCATTAACATTTCATCT
AAAAATGTTAGGCTCTAAATGGACGAAAAATTCTCTCGCCATCTTAATAACAAAATAAACTACAAATTCTGACC
CAAGGACACTGTGTTATAAGAGGCGTGGGCTCCCCTGGTGGCTGACCAGGTCAGCTGCCCTGGCCTTGACCCCT
CTGCATGCAGCACAGAAGGGTGTGACCATGCCCTCAGCACCCTCTTGTCCCCACTGAACGGCAACTGAGACTGG
GTACCTGGAGATTCTGAAGTGCCTTTGCTGTGGTTTTCAAAAATAATAAAGATTTGTATTCAACTC

3181/6881
FIGURE 2934

GAATTTCCGTTTCCGGCGGTGTCCAAGCGGACCTAAGGAGTCGCAGTTGTGAACAGGTTAGAGTTACTTGTTATT
GGTAAATAGCCACTATGGAGACTAAGGACCAGAAGAAACACAGAAAGAAAAACGGTGGACCCAAAGCTGCAAAGA
AAAAGAAGTGGCATCTGCAGGATCTCCAGCTAGGAGACTAAGAAAATGCCCAGAAGAGAAATGCCAATGCTTTTG
CAGTTCAGTCTGCTGTGTGGATGTCTCGATCCTTTCACAGGACTCTGGATTTGAAGACACAAAAGCATCATATTC
CAGTGGTTGATGGAACCTCACTAGAGCCGCCACCAATACCGGTAGTGGTGACGGGGCCTCCAAAGTTGGAAAGAG
CACTTTGATATAATGCCTCATTTCGGAACCTTCACCTGGCAGAAGTTCACCGAGATCAGAGGCCCTGTGACGATCGT
GTCAGGTAAAAAGCGCAGACTCACCATTATTGAATGTGGGTGTGACATTAACATGATGATTGATCTGGCTAAAGT
AGCAGATCTGGTACTGATGCTTATAGATGCCAGCTTTGGGTTTGAAATGGAAATGTTTGAGTTTCTAAACATCTG
TCAAGCACATGGCTTTCCTAAAAATTCTGGGAGTTCTCACCCACCTCGACTCCTTCAAGCATAACAAGCAACTGAA
GAAGACAAAGAAGCGATTAAAAACACAGGTTCTGGACAGAAGTTTACCAGGTTGCCAACTGTTCTACCTTTCTGG
AATGGTGCATGGAGAATATCAAAACCAAGAAATCCACAATCTGGGCCATTTTATTACAGTTATGAAGTTTAGGCC
TCTCATGGCAAACTTTTACCCCTTATATCCTGGCAGACAGGATGGAAGATTTGACAAACCCGGAGGATATCCAAA
CAAACATCAAATGTGACCGGCAGGTGTCACCTTATGTTATTTAAGAGGAGCACACTTCAAAGATAAAAGCCAAA
TTCACATGCCAGGACAAGGTGGGGCTCACCCATGAGCTGGTCCAGAGTCTCATCTCCACCTACTCCACCATTGAT
GCCAAGATGGCTTCAAGTCGAGTGACGCTGCTTCCAATTCCAAACCACTTGGGTCAGAGGCTATAGATAATCAA
GGGTAAGTCTGCTTTTTTTTCTATTTTAAATAAAAAGATATATTACAGAA

3182/6881
FIGURE 2935

CGGGGGCGAGGGGGCGGCAGGCAGGTGTAGCGCTGCCCTGGGCGGGCTTGACCCCCACACCCAAGTGAGCGGCC
TGCTCACTCCTCAGCTGCAGGAGCCAGACGTGTGGAGTCCCAGCAGAGGCCAACCTGTGTCTCTTCATCTCCGTG
AGAAAGGTGCCCCGAAAGTAAAAGAGATGGCCTGGTGGAAAGCCTGGATTGAACAGGAGGGTGTACAGTGAAGA
GCAGCTCCCACTTCAACCCAGACCCCTGATGCAGAGACCCCTCTACAAAGCCATGAAGGGGATCGGTGTGCGGTCCC
AACTGCTCAGCCACCAAGCAGCTGCCTTCGCCTTCCCTCCTCCGCCCTCACCAGTGTGTACCCCTGGGGGCGAGC
AGGGTCACCTTGTGCTGTAAACCTGCAGGGACCAACGAGCAGGCTATCATCGATGTGCTCACCAAGAGAAGCAACA
CGCAGCGGCAGCAGATCGCCAAGTCCTTCAAGGCTCAGTTCGGCAAGGACCTCACTGAGACCTTGAAGTCTGAGC
TCAGTGGCAAGTTTGAGAGGCTCATTGTGGCCCTTATGTACCCGCCATACAGATACGAAGCCAAGGAGCTGCATG
ACGCCATGAAGGGCTTAGGAACCAAGGAGGGTGTATCATTGAGATCCTGGCCTCTCGGACCAAGAACCAGCTGC
GGGAGATAATGAAGGCGTATGAGGAAGACTATGGGTCCAGCCTGGAGGAGGACATCCAAGCAGACACAAGTGGCT
ACCTGGAGAGGATCCTGGTGTGCCTCCTGCAGGGCAGCAGGGATGATGTGAGCAGCTTTGTGGACCCGGCAGTGG
CCCTCCAAGACGCACAGGATCTGTATGCGGCAGGCGAGAATATTCGTGGGACTGATGAGATGAAATTCATCACCA
TCCTGTGCACGCGCAGTGCCTCCTGCTGAGAGTGTGTTGAAGAGTATGAGAAAATTGCCAAACAAGAGCATTG
AGGACAGCATCAAGAGTGAGACCCATGGCTCACTGGAGGAGGCCATGCTCACTGTGGTGAATGCACCCAAAACC
TCCACAGCTACTTTGCAGAGAGACTCTACTATGCCATGAAGGGAGCAGGGACGCGTGATGGGACCCCTGATAAGAA
ACATCGTTTTCAAGGAGCGAGATTGACTTAAATCTTATCAAATGTCACTTCAAGAAGATGTACGGCAAGACCCCTCA
GCAGCATGATCATGGAAGACACCAGCGGTGACTACAAGAACGCCCTGCTGAGCCTGGTGGGCAGCGACCCCTGAG
GCACAGAAGAACAAGAGCAAAGACCATGAAGCCAGAGTCTCCAGGACTCCTCACTCAACCTCGGCCATGGACGCA
GGTTGGGTGTGAGGGGGTCCCAGCCTTTCGGTCTTCTATTTCCCTATTTCCAGTGCTTTCCAGCCGGGTTTCTG
ACCCAGAGGGTGAACCGGCCTGGACTCCTCTTCCCAACTTCCCTCCAGGTCATTTCCCAGTGTGAGCACAATGCC
AACCTTAGTGTTTCTCCAGCCAGACAGATGCCTCAGCATGAAGGGCTTGGGGACTTGTGGATCATTCTTCTCCTCC
CTGCAGGAGCTTCCCAAGCTGGTCACAGAGTCTCCTGGGCACAGGTTATACAGACCCCGAGCCCCATTCCCATCTA
CTGAAACAGGGTCTCCACAAGAGGGGGCCAGGGAATATGGGTTTTTAACAAGCGTCTTACAAAACACTTCTCTATC
ATGCAGCCGGAGAGCTGGCTGGGAGCCCTTTTGTGTTTGAACACACATCCTTCAGCAGCTGAGAAACGAACACGA
ATCCATCCCAACCGAGATGCCATTAACTTCTATAAAATGTTAGGCTCTAAATGGACGAAAAATTCTCTCGCC
ATCTTAATAACAAAATAAACTACAAATTCCTGACCCAAGGACACTGTGTTATAAGAGGCGTGGGCTCCCCTGGTG
GCTGACCAGGTCAGCTGCCCTGGCCTTGACCCCTCTGCATGCAGCACAGAAGGGTGTGACCATGCCCTCAGCAC
CACTCTTGTCCCCACTGAACGGCAACTGAGACTGGGTACCTGGAGATTCTGAAGTGCCTTTGCTGTGGTTTTCAA
AATAATAAAGATTTGTATTCAACTC

3183/6881
FIGURE 2936

MPKARQSPGARGRQAGVALPWAGLHPHTQVSGLLTPQLQEPDVWSPSRGQPVSLHLPKGGAPEVKEMAWWKS
WIEQEGVTVKSSSHFNPDPAETLYQAMKGIGVGSQLLSHQAAAFAPSSALTSVSPWGQQGHLCCNPAGTNEQAI
IDVLTGRSNTQRQQIAKSFKAQFGKDLTETLKSELSGKFERLIVALMYPPYRYEAKELHDAMKGLGTKEGVI
IEILASRTKNQLREIMKAYEEDYGSSLEEDIQADTSGYLERILVCLLQGSRDDVSSFVDPGLALQDAQDLYA
AGEKIRGTDEMKFITILCTRSATHLLRVFEEYEKIANKSIEDSIKSETHGSLEEAMLTVVKCTQNLHSYFA
ERLYYAMKGAGTRDGTILRNIVSRSEIDLNLIKCHFKKMYGKTLSSMIMEDTSGDYKNALLSLVGSDP

3184/6881
FIGURE 2937

GCTAATACTGAAATTGTCAGGTCGGTGTAACCTGTGACAGTCCGGAAGCAATGGAGGCTTCAGTGAGCAGGACCAG
CTGCCCTTTCTCACCACCACAGCTTGATCTCTCTCACAACCTCCTCTCCACCTCCACTGACCTCTGGGTTGGTTTT
CTCCTGCACGATCTTTCCACGTGTCAGGGGCCTGGAGGCACCCTACAAGAGCTGACTTTACATTTCTTCTCCTAGA
GGTAATCCCAGAACAAAAGAGAGCAGTTTTATTTATTTTTTTTCAAGAGAATTAAATTGTTTATTGATTACACATG
ATAATGGATGATACACAAGCTTCATTCCCATCTATAATTTAATCTGGTACCATTATTCAATTAGATATGTTACAT
AGGATGTGCCAACAATTACTTTTTATAACCAATAATTCCATGATTTTGCTTGGGTAATCCCTTTTAATGGTGACTG
AAATCATGACTGACCGAGTCAGTGGCTAGAAAAGGGGCTTTGCCTTTGTAACTTTTGATGACCATGACTCCGTCG
ATAAGATTGTCATTACAGAAATACCATACTGTGAATGACCACAACCTGTGAAGTTAGGAAAGCCCTGTCAAAGCAAG
AGATGGCTAGTGCTTCATCCAGCCAAAGAGGTCGAAGTGGTCTGGAAACTTTGGTGGTGGTGGTGGAGGTGGTT
TCAGTGGGAATGACAACCTTTGGTATTGGAGGAACTTCAGTGGTCTTGGTGGCTTTGGTGGCAGTCGTGGTGGTG
GTGGATATGGTGGCAGTGGGGATGGCTGTAATGGATTGGTAATGATGGAAGCAATTTGGAGGTGGTGGAAAGCT
ACAATGATTTTGGCAATTACAACAATGAGTCTTCAAATTTGGACCCATGAAGGGAGGAAATTTGGAGGCAGAA
GCTCTGGCCCTGTGGCAATGGAGGCCTATACTTTGCAAACCATGAAACCAAGGTGGCTATTGGCGGTTCCAGC
AGCAGCAGTAGCTATGGCAGTGGCAGATTTTAATTAGGAAACAAAGCTTAGCAGGAGAGGAGAGCCAGAGAAATG
ACAGGGAATCTACAGGTTACGACAGATTTGTGAACCTCAGCCAAGCACAGTGGTGGCAGGGCCTAGCTGCTACAAA
GAAGACATGTTTTAGACAAATACTCATGTGTATGGGCAAAAACTCGAGGACTGTATTTGTGACTAACTGTATAA
CAGGTTATTTTAGTTTCTGTTCTGTGGGAAGTGTAAGCATTCCAGCTAAGGGTTTTAATATAGGTTTTTTTTTT
GCACCCATGCTGTTGATTGCTAAATGTAATAGTCTGATCATGACGCTGAATAAATGTCTTTTGTTTAATGTGCT
GTGTAAAGTTAGTTTACTCTGAAGCTATCTTGGTAAATTTCCCAACAGTGTGAAGTTAGAATTCCTTCAGGGTG
ATGCCAAGTTCTATTTGGAATTTATATACAACCTGCTTGGGTGGAGAAGCCATTGTCTTCAGAAACCTTTGGTGT
AGTTGAACTGATAGTTACTGTTGTGACCTGAAG

3185/6881
FIGURE 2938

MASASSSQRRSGSGNFGGGRGGGFSGNDNFGIGGNFSGLGGFGGSRGGGGYGGSGDGCNGFGNDGSNFGGGGSY
NDFGNYNNESSNFGPMKGGNFGGRSSGPCGNGGLYFAKP

3186/6881
FIGURE 2939

GTCTGGGTGGGGCCTGGGAGCCACAGGAGATGCCCAAAGCCAGGCAGAGCCCGGGGGCGAGGGGACGGCAGGCAG
GTGTGGCGCTGCCCTGGGCGGGCTTGACCCCCACACCCAAGTGAGCGGCCTGCTCACTCCTCAGCTGCAGGAGC
CAGACGTGTGGAGTCCCAGCAGAGGCCAACCTGTGTCTCTTCATCTCCCTGGGAAAGGTGCCCCCGAGGTGAAAG
AGATGGCCTGGTGGAAATCCTGGATTGAACAGGAGGGTGTACAGTGAAGAGCAGCTCCCACCTTCAACCCAGACC
CTGATGCAGAGACCCTCTACCAAGCCATGAAGGGGATCGGGACCAACGAGCAGGCTATCATCGATGTGCTCACCA
AGAGAAGCAACACGCAGCGGCAGCAGATCGCCAAGTCCTTCAAGGCTCAGTTTCGGCAAGGACCTCACTGAGACCT
TGAAGTCTGAGCTCAGTGGCAAGTTTGAGAGGCTCATTGTGGCCCTTATGTACCCGCCATACAGATACGAAGCCA
AGGAGCTGCATGACGCCATGAAGGGCTTAGGAACCAAGGAGGGTGTATCATATTGAGATCCTGGCCTCTCGGACCA
AGAACCAGCTGCGGGAGATAATGAAGGCGTATGAGGAAGACTATGGGTCCAGCCTGGAGGAGGACATCCAAGCAG
ACACAAGTGGCTACCTGGAGAGGATCCTGGTGTGCCTCCTGCAGGGCAGCAGGGATGATGTGAGCAGCTTTGTGG
ACCCAGGACTGGCCCTCCAAGACGCACAGGATCTGTATGCGGCAGGCGAGAAGATTCTGTGGGACTGATGAGATGA
AATTCATCACCATCCTGTGCACGCGCAGTGCCACTCACCTGCTGAGAGTGTGTAAGAGTATGAGAAAATTGCCA
ACAAGAGCATTGAGGACAGCATCAAGAGTGAGACCCATGGCTCACTGGAGGAGGCCATGCTCACTGTGGTGAAAT
GCACCCAAAACCTCCACAGCTACTTTGCAGAGAGACTCTACTATGCCATGAAGGGAGCAGGGACGCGTGATGGGA
CCCTGATAAGAAACATCGTTTCAAGGAGCGAGATTGACTTAAATCTTATCAAATGTCACCTCAAGAAGATGTACG
GCAAGACCCTCAGCAGCATGATCATGGAAGACACCAGCGGCGACTACAAGAACGCCCTGCTGAGCCTGGTGGGCA
GCGACCCCTGAGGCACAGAAGAACAAGAGCAAAGACCATGAAGCCAGAGTCTCCAGGACTCCTCACTCAACCTCG
GCCATGGACGCAGGTTGGGTGTGAGGGGGTCCAGCCTTTCAGTCTTCTATTTCCCTATTTCCAGTGCTTTCCA
GCCGGGTTTCTGACCCAGAGGGTGAACCGGCCTGGACTCCTCTTCCCAACTTCTCCAGGTCATTTCCAGTGT
GAGCACAATGCCAACCTTAGTGTTTCTCCAGCCAGACAGATGCCTCAGCATGAAGGGCTTGGGGACTTGTGGATC
ATTCTTCTCCTCCCTGCAGGAGCTTCCCAAGCTGGTTCACAGAGTCTCCTGGGCACAGGTTATACAGACCCCAGCCC
CATTCCCATCTACTGAAACAGGGTCTCCACAAGAGGGGCCAGGGAATATGGGTTTTTAACAAGCGTCTTACAAAA
CACTTCTCTATCATGCAGCCGGAGAGCTGGCTGGGAGCCCTTTTGTTTTAGAACACACATCCTTCAGCAGCTGAG
AAACGAACACGAATCCATCCCAACCGAGATGCCATTAACATTCTATAAAAATGTTAGGCTCTAAATGGACGAAA
AATTCTCTCGCCATCTTAATAACAAAATAAACTACAAATTCTGACCCAAGGACACTGTGTTATAAGAGGCGTGG
GCTCCCCTGGTGGCTGACCAGGTCAGCTGCCCTGGCCTTGCACCCCTCTGCATGCAGCACAGAAGGGTGTGACCA
TGCCCTCAGCACCCTCTTGTCCCCACTGAACGGCAACTGAGACTGGGTACCTGGAGATTCTGAAGTGCCTTTGC
TGTGGTTTTCAAAAATAATAAAGATTTGTATTC

3187/6881
FIGURE 2940

MAWWKSWIEQEGVTVKSSSHFNPDPDAETLYKAMKGIGTNEQAIIDVLTKRSTNRQQIAKSFKAQFGKDLTETL
KSELSGKFERLIVALMYPPYRYEAKELHDAMKGLGTKEGVIEILASRTKNQLREIMKAYEEDYGSSLEEDIQAD
TSGYLERILVCLLQGSRDDVSSFVDPGLALQDAQDLYAAGEKIRGTDEMKFITILCTRSATHLLRVFEEYEKIAN
KSIEDSIKSETHGSLEEAMLTVVKCTQNLHSYFAERLYYAMKGAGTRDGTLRNIVSRSEIDLNLKCHFKKMYG
KTLSSMIMEDTSGDYKNALLSLVGSDP

3188/6881
FIGURE 2941

GAATTTCCGTTTCCGGCGGTGTCCAAGCGGACCTAAGGAGTCGCAGTTGTGAACAGGTTAGAGTTACTTGTTATT
GGTAAATAGCCACTATGGAGACTAAGGACCAGAAGAAACACAGAAAAGAAAAACGGTGGACCCAAAGCTGCAAAGA
AAAAGAAGTGGCATCTGCAGGATCTCCAGCTAGGAGACTAAGAAAAATGCCCAGAAGAGAAATGCCAATGCTTTTG
CAGTTCAGTCTGCTGTGTGGATGTCTCGATCCTTTACAGGACTCTGGATTTGAAGACACAAAAGCATCATATTC
CAGTGGTTGATGGAACCTCCACTAGAGCCGCCACCAATACCGGTAGTGGTGACGGGGCCTCCAAAGTTGGAAAGAG
CACTTTGATATAATGCCTCATTTCGGAACCTTCACCTGGCAGAAGTTACCCGAGATCAGAGGCCCTGTGACGATCGT
GTCAGGTAAAAAGCGCAGACTCACCATTATTGAATGTGGGTGTGACATTAAACATGATGATTGATCTGGCTAAAGT
AGCAGATCTGGTACTGATGCTTATAGATGCCAGCTTTGGGTTTGAAATGGAAATGTTTGAGTTTCTAAACATCTG
TCAAGCACATGGCTTTCCTAAAATTCTGGGAGTTCTCACCCACCTCGACTCCTTCAAGCATAACAAGCAACTGAA
GAAGACAAAGAAGCGATTAAAACACAGGTTCTGGACAGAAGTTTACCAGGTTGCCAAACTGTTCTACCTTTCTGG
AATGGTGCATGGAGAATATCAAACCAAGAAATCCACAATCTGGGCCATTTTATTACAGTTATGAAGTTTAGGCC
TCTCATGGCAAACTTTTACCCCTTATATCCTGGCAGACAGGATGGAAGATTTGACAAACCCGGAGGATATCCAAA
CAAACATCAAATGTGACCGGCAGGTGTCACCTTTATGGTTATTTAAGAGGAGCACACTTCAAAGATAAAAGCCAAA
TTCACATGCCAGGACAAGGTGGGGCTCACCCATGAGCTGGTCCAGAGTCTCATCTCCACCTACTCCACCATTGAT
GCCAAGATGGCTTCAAGTCGAGTGACGCTGCTTTCCAATTCCAAACCACTTGGGTCAGAGGCTATAGATAATCAA
GGGTAAGTCTGCTTTTTTTCTATTTTTTAATAAAAAGATATATTACAGAA

3189/6881
FIGURE 2942

CGTGTGCACCCTAGCGTCAGCCTCGAGTTTGACCAGCAACAGGGGTCGGTGTGTCCCTCTGAATCTGAGATCTAT
GAGGCAGTAGCTGGGGACAGGATGCAGGAGCGCCCATGGCTGCTGCTGTGCAGCCTGCTGAGGTGACTGTTGAA
GTTGGTGAGGACCTCCACATGCACCACGTTTCGTGACCGGGAGATGCCTGAAGCTTTGGAGTTTAACCTTTCTGCC
AATCCAGAGGCAAGCACAATATTCCAGAGGAACTCTCAAACAGATGCTTTGGAGTTTAACCTTTCTGCCAATCCA
GAGGCAAGCACAATATTCCAGAGGAACTCTCAAACAGATGGTGAGACGACATTGTTTTTCCGCCAAGAGAAAGA
ATAAAAGCTCTTGTTTTGATCAGGTT

3190/6881
FIGURE 2943

MAGAPMAAAVQPAEVTVEVGEDLHMHVVRDREMPEALEFNLSANPEASTIFQRNSQTDALFNPSANPEASTIFQ
RNSQTDGETTLFFPPRERIKALV

3191/6881
FIGURE 2944

GGTAAATAGCCACTATGGAGACTAAGGACCAGAAGAAACACAGAAAGAAAAACAGTGGACCCAAAGCTGCAAAGA
AAAAGAAGTGGCATCTGCAGGATCTCCAGCTAGGAGACGAAGAAAATGCCAGAAAGAGAAATGCCAATGCTTTTG
CAGTTCAGTCTGCTGTGTGGATGTCTCGATCCTTTACAGGACTCTGGATTTGAAGACACAAAAGCATCATATTC
CAGTGGTTGATGGAACCTCCACTAGAGCCGCCACCAATACCGGTAGTGGTGACGGGGCCTCCAAAGTTGGAAAGAG
CACTTTGATATAATGCCTCATTTCGGAACCTTACCTGGCAGAAGTTCACCGAGATCAGAGGCCCTGTGACGATCGT
GTCAGGTAAAAAGCGCAGACTCACCATTATTGAATGTGGGTGTGACATTAACATGATGATTGATCTGGCTGAAGT
AGCAGATCTGGTACTGATGCTTATAGATGCCAGCTTTGGGTTTGAAATGGAAATGTTTGAGTTTCTAAACATCTG
TCAAGCACATGGCTTTCTTAAATTTCTGGGAGTTCTCACCCACCTCGACTCCTTCAAGCATAACAAGCAACTGAA
GAAGACAAAGAAGCGATTAAAACACAGGTTCTGGACAGAAGTTTACCAGGTTGCCAAACTGTTCTACCTTTCTGG
AATGGTGCATGGAGAATATCAAACCAAGAAATCCACAATCTGGGCCATTTTATTACAGTTATGAAGTTTAGGCC
TCTCATGGCAAACTTTTTACCCTTATATCCTGGCAGACAGGATGGAAGATTTGACAAACCCGGAGGATATCCAAA
CAAACATCAAATGTGACCGGCAGGTGTCACTTTATGGTTATTTAAGAGGAGCACACTTCAAAGATAAAAGCCAAA
TTCACATGCCAGGACAAGGTGGGGCTCACCCATGAGCTGGTCCAGAGTCTCATCTCCACCTACTCCACCATTGAT
GCCAAGATGGCTTCAAGTCAGTGACGCTGCTTTCCAATTCCAAACCACTTGGGTCAGAGGCTATAGATAATCAA
GGGTAACTCTGCTTTTTTTTCTATTTTAAATAAAAAGATATATTACAGAA

3192/6881
FIGURE 2945

ATGGGGCAGCCGAGAGAGTTCTGGCATCTCAGGTCCCAGGTTCCAGTTCCAACCTGCCACCTGCTCACC GTGCAG
CCTTGGTGCCCTGCTTCCTCACCCACCCAGCTGGAGGGCGTGAGCGCAGGCACAGTGCTTCCTCCCTGCTTGCG
GCTCTGTGCTGAGGAAGGCGGTTCTGCGGCCCCATCTGCTGTCTGCTGGAGTTGGAGGGTGTGTGGTCTT
TCTCTGGGCGGATGAAGGCTCCCTTGAGGGGCGGCTGGCTCTGGGGACAGGGCCAGCTCCCACGAAGCTGCAG
CTTCTCCATGACTGGCAGAGCGAGCCTGGGCGAGTGGCTGGCAGCAAGGCCCTTCTCCGCCTCTCTCCCGGCA
GGCACTTCCCTCGTCCAGCACCTGATGACCGTCTCATCCGCAAACACAGCCAGCTCTTCACGGCACCGGTCCCG
GAAGGGCCACCTCCCCGCGCGGGGGCCTGCAATGCGCAGTGGGGTGGGGCTCCGAGGAGGTCACCAGGGACAGC
CAAGGAGAGCCCGCGGCCCCGGCCTGCCGCGCACAGGACCTCTTCCCTGGACGGGGCGGCGTGGCGGTGCTC
TCCAGAACAGCCCCACGGGGCGGGGAGCCGGTGCAGCCCTGGGAAGAAGGTGCAGACCCTGCCAGTTGGAAG
TCCTCCTTCCGGCAGCCGAGGTCCCTATCGGAAGCCCGAAGGGGGCGGCTCATCCCTGGAGGTGCCATCATC
TCCTCCGGCGGGAACTGGCTTATGAACGGGCTGTCTCCCTGCGCGGACACCGCCGGGCCTCGTCGGGAGACCGG
CTCAAGGACTCGGGCTCCGTGCAGAGACTCTCCACCTACGACAATGTGCCCGCGCCGGGCCTGGTCCCCGGCATA
CCCAGCGTGGCCAGTATGGCGTGGTCCGGGGCCTCGTCCAGCGAGTCGTTCGGTGGGGGGCTCACTCAGCAGCTGC
ACGGCCTGCCGCGCCAGCGACTCGTCTGCCCGCAGTTCCCTGCACACCGACTGGGCCCTGGAGCCCTCCCCGCTC
CCCAGCAGCAGCGAGGACCCCAAGTCCCTGGACCTGGACCACAGCATGGACGAGGCGGGCGCGGTGCCAGCAAC
AGCGAGCCCAGCGAGCCGGACAGCCCCACCCGGGAACACGCGCGCCGCTCCGAGGCCTTACAGGGGCTGGTCACT
GAGCTCAGGGCCGAGCTGTGCCGCCAGCGGACTGAGTACGAGAGGAGTGTGAAAAGAATCGAAGAAGGGAGTGCT
GACCTGAGAAAACGAATGTCCCGGTTAGAAGAAGAAGTGGACCAGGAAAAGAAAAATACATCATGCTGGAAATA
AAGCTGCGGAACCTCTGAACGGGCGCGGGAGGATGCGGAGAGGAGGAACCAGCTGTTGCAGAGGGAAATGGAGGAG
TTTTTTTCGACCCTAGGAAGCTTGACTGTTGGGGCAAAGGTGCCAGGGCCCCAAAGTAAAAGGAATGGCAGAGC
TCACTTCTGTACCACGTCTGCTGGTCTCCAGCCTTGATGGAGTTAGAAGCGTCTGTATCTCTGGAGCAGCCAGG
CGCTCTGGAGCCAGCTGGAGAGAGAGATCCTGATACCTCTGTGGGACTGTGGGGACTTTTGGGACCCACAC
ACTCCAGGTGGGATCAGATGCTGCTCCAACCATGCAGTTCTTGGTGAGGGTCAGAAGGGGACGGTACCAAGAGCA
GCGCTTAGCCCTTACCCAGGAAATATCCTTCATGGCCACAGAAATGGAGGGCGCCAGGATCCAGGCAGCCACCG
GGAACAGTCAGCTTCTTTATTAAATGTGCTCACAAAGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

3193/6881
FIGURE 2946

MGQPREFWHLRSQVPVPTCHLLTVQPWCLLPHTPAGGREERRHSASSLLAALCLRKAVLRPHPAVLPGVGGCVVL
SSGRMKAPLRGGLALGTGPAPTKLQLLDHWQSEPGPSGWQQGFSPPPLFPAGTSLVQHLMTVLIRKHSQLFTAPVP
EGPTSPRGGLOCAVGWGSEEVTRDSQGEPPGGPGLPAHRTSSLDGA AVAVLSRTAPTGPGRCSPPGKKVQTLPSWK
SSFRQPRSLSGSPKGGSSLEVPIISSGGNWLMNGLSSLRGHRASSGDRLKDSGSVQRLSTYDNVPAPGLVPGI
PSVASMAWSGASSSESSVGGSLSSCTACRASDSSARSSLHTDWALEPSPLPSSSEDPKSLDLDHSMDEAGAGASN
SEPSEPDSPTREHARRSEALQGLVTELRAELCRQRTYEYERSVKRIEEGSADLRKRMSRLEEELDQEKKKYIMLEI
KLRNSEFARERDAERRNQLLQREMEEFFSTLGSLTVGAKGARAPK

3194/6881
FIGURE 2947

GGAGGAGGCAAGAGCCGACGCGAGGGGAGGGGAGCGCAGCGCGGGGCTAACGGGCGGGCAAGCGGGCGGGCGGC
AACAGCATGTCCCTCGGCCAGCGCGGGCGGCCCTCTTAGCGCGGCGGGGGCTGCTCTGGGCGCGCCCCGGGCGAAG
TGCGCCAGTCTCCGGCCCCGGCCCCCTCGGCGCGCCGACTTCCCGGCCGCCCTGAGCCCAGCAGCCGCGGGTC
CCGGGATCGGCTAAGAGTAGCTGCAACGCCTCGCCGACGGAGTCCTTTCTTTCCCGGGACGCTGGGCCATGAG
CTCCGCGGGCCACCTGAGGCACAGGGGAGTCTGCTCGGCCAGGACAGCCTCCCCGAAGTCCCGCTGCCCTCGCCT
CTGCACTGCGGGACGCCAGCGCTCGGCCCTGGCGGAGGCGTCTTCGGAAGAGCATCGGGGTGGGGGCATGGAATC
CGCGGAACCTGCGGGCCAGGCCCGGGCGGGCCACCAAGCTGTGCGAGGCTGTGGGCGCGGGCGCTGCAGGAGCC
CCGGCGGCAGAGGCGCCTGGTGCTTGTTATCGTGTGCGTGGCGCTGTTACTGGACAACATGCTGTACATGGTCAT
CGTGCCCATAGTGCCGACTACATCGCCACATGCGCGGGGCGGCGAGGGCCCCACCCGACTCCCGAGGTGTG
GGAGCCCACCCTGCCGCTGCCACTCCGGCCAATGCCAGCGCCTACACGGCCAACACCTCGGCGTCCCCGACAGC
TGCGTGGCCAGCGGGCTCAGCCCTTCGGCCCCGCTACCCTACGGAGAGCGAAGACGTGAAGATCGGGGTGCTGTT
TGCTTCCAAGGCTATCCTGCAGCTGCTAGTGAACCCCTTGAGCGGGCCCTTCATCGACCGCATGAGCTACGACGT
GCCGCTGCTGATCGGCCTGGGCGTCATGTTGCGCTCTACAGTCTGTTGCGCTTCGCCGAGGACTACGCCACGCT
GTTGCGGCGCGCAGCCTGCAGGGCCTGGGCTCAGCCTTCGCCGACACGTCTGGCATAGCCATGATCGCCGATAA
GTACCCGAGGAGCCGGAGCGCAGTCTGCACTGGGCGTGGCGCTGGCCTTCATTAGCTTCGGAAGCCTAGTGGC
CCCCCCTTCGGGGGCATCCTCTATGAGTTGCGCGGCAAGCGCGTGCCTTCTTGCTGCTAGCTGCCGTGTCGCT
CTTTGACGCGCTGTTGCTGCTGGCAGTGGCCAAACCCCTTCGCGCGCTGCACGGGCTCGGGCCAACCTGCCAGT
GGGCACTCCCATCCACCGCCTCATGCTAGACCCCTACATTGCCGTGGTGGCCGGCGCGCTCACCACCTGTAACAT
TCCCTCGCCTTCCTCGAACCACCATTGCCACGTGGATGAAGCATACGATGGCGGCTTCCGAGTGGGAGATGGG
CATGGCCTGGCTGCCGGCCTTCGTGCCTCATGTGCTGGGCGTCTACCTCACCGTGCCTGGCGGCGCGCTACCC
ACACCTGCAGTGGCTGTACGGCGCGCTTGGGCTGGCTGTGATCGGCGCCAGCTCGTGTCATCGTGCCCGCCTGCCG
CTCCTTCGCGCCGCTAGTGGTCTCACTATGCGGCCTCTGTTTTGGCATAGCCCTAGTCGACACAGCACTGCTGCC
CACGCTCGCCTTCCTGGTGGACGTGCGCCATGTCTCAGTCTATGGCAGCGTCTACGCCATCGCCGACATCTCCTA
TTCGGTGGCCTACGCGCTCGGGCCCATAGTGGCAGGCCACATTGTGCACTCGCTGGGCTTTGAGCAGCTCAGCCT
TGGCATGGGACTGGCCAACCTGCTCTATGCTCCCGTCTTGCTGCTGCTCCGCAACGTGGGCTCCTGACGCGCTC
CCGTTCCGAGCGGATGTGCTGCTTGATGAGCCACCGCAAGGTCTGTACGATGCGGTGCGCCTGCGTGAGCGTCC
TGTGCTTGGCCAGGACGGCGAGCCTCGCAGCCCGCCTGGCCCTTTTGATGAGTGCAGGACGACTACAATACTA
CTACACCCGCAGCTAGCATCCCCACTCCTCCTCCAGCCACCCAACCGCCTTGGGTCAAGGGGGCTGCTCTGCAA
GCCCCTGGCCAGCTCTGGCTCAGGGCCACCTCCTCCAGCGAGTACCCAGCCACTCCTCAACCTTGACTTCTG
CCCAAATCCCCTCCCTGTGACCCGTTCCATATCCCTTCTCTCTTGTCCAATGGGGCTTGAGCACCAGGCCAG
CGAAGCCATCGCGCTCCTTGCGGAGGTGAAGAGGACCCTGAGTCCCCACCTGCGGCTCCCCTGTGTAGAGCCTGC
ATCTGTCTGTCTTCTTCCATTGCTCCCAGTGCCAAACTTGGGCGCGCTGCACCGCGGCGCCTCCGCCCAAATCA
ATAAACTGTGTCTGTCCAGG

3195/6881
FIGURE 2948

MESAEPAGQARAAATKLSEAVGAALQEPRRQRRLLVLVIVCVALLLDNMLYMVIVPIVPDYIAHMRGGGEGPTRTP
EVWEPTLPPLPTPANASAYTANTSASPTAAWPAGSALRPRYPTESEDVKIGVLFASKAILQLLVNPLSGPFFIDRMS
YDVPLLLIGLVMFASSTVLFafaedyatlfaarslqglgsafadtsgiamiadkypeepersralgvalafisfGS
LVAPFFGGILYEFAGKRVFPLVLAAVSLFDALLLLAVAKPFSAAARARANLPVGTPIHRLMLDPYIAVVAGALT
CNIPLAFLEPTIATWMKHTMAASEWEMGMAWLPAFVPHVLGVYLTVRLAARYPHLQWLYGALGLAVIGASSCIVP
ACRSFAPLVVSLCGLCFGIALVDTALLPTLAFLVDVRHVSVYGSVYAIADISYSVAYALGPVAGHIVHSLGFEQ
LSLGMGLANLLYAPVLLLLLRNVGLLTRSRSERDVLLEPPQGLYDAVRLRERPVSQGDEPRSPFGPFDECEDDY
NYYYTRS

3196/6881
FIGURE 2949

GGCACGAGCTCGGCTCCTGGAAAGATGGAGGCAGCGGAGACAGAGGCGGAAGCTGCAGCCCTAGAGGTCCTGGCT
GAGGTGGCAGGCATCTTGGAACCTGTAGGCCTGCAGGAGGAGGCAGAACTGCCAGCCAAGATCCTGGTTGAGTTT
GTGGTGGACTCTCAGAAGAAAGACAAGCTGCTCTGCAGCCAGCTTCAGGTAGCGGATTTCTGCAGAACATCCTG
GCTCAGGAGGACACTGCTAAGGGTCTCGACCCCTTGGCTTCTGAAGACACGAGCCGACAGAAGGCAATTGCAGCT
AAGGAACAATGGAAAGAGCTGAAGGCCACCTACAGGGAGCACGTAGAGGCCATCAAAATTGGCCTCACCAAGGCC
CTGACTCAGATGGAGGAAGCCCAGAGGAAACGGACACAACCTCCGGGAAGCCTTTGAGCAGCTCCAGGCCAAGAAA
CAAATGGCCATGGAGAAACGCAGAGCAGTCCAGAACCAGTGGCAGCTACAACAGGAGAAGCATCTGCAGCATCTG
GCGGAGGTTTCTGCAGAGGTGAGGGAGCGTAAGACAGGGACTCAGCAGGAGCTTGACAGGGTGTTTCAGAACTT
GGAAACCTGAAGCAGCAGGCAGAACAGGAGCGGGACAAGCTGCAGAGGTATCAGACCTTCTCCAGCTTCTGTAT
ACCCTGCAGGGTAAGCTGTTGTTCCCTGAGGCTGAGGCTGAGGCAGAGAATCTTCCAGATGATAAACCCAGCAG
CCGACTCGACCCCAGGAGCAGAGTACAGGAGACACCATGGGGAGAGACCCTGGTGTGTCTTCAAGGCTGTTGGT
CTACAACCTGCTGGAGATGTAAATTTGCCATGACTTCTTGGAGGACAGCAGCATGGAGAAAGATCCTAGAAAAGG
TCAGACCCAACTCAGGCCTTGGTGTCCCTGGACTGCAAGTGTGGAAGGAGGGAAAGCCTGGTTTACCTCTCTCTG
CATCTGAGCTCTGCTACCCATGGAGCAGATGGATGGTGGGAACAGGAAAGAGCTTATGTTACACCTCATTCCCAT
GCTTAGCCCAACCAGAGCTAACCCTGTCTTCTTCCCCAGGCCTCTGACTTCCCTCACCTCCCAACCATCATTAC
AGGAAAGACTGTGAACTCCTGAGTTCAGCTTGATTTCTGACTACATCCAGCAAGCTCTGGCATCTGTGGATTAA
AATCCCTGGATCTCTCTCAGTTGTGTATTTGTTTCATCTTCATATGCTGGCAGGAACAACATTAATACAGATACT
CAGAAGCCAATAACATGACAGGAGCTGGGACTGGTTTGAACACAGGGTGTGCAGATGGGGAGGGGGTACTGGCCT
TGGGCTCCTATGATGCAGACATGGTGAATTTAATTCAAGGAGGAGGAGAATGTTTTAGGCAGGTGGTTATATGT
GGGAAGATAATTTTATTCATGGATCCAAATGTTTGTGAGTCCTTTTGTGCTAAGGTTCTTGCGGTGAACCAGAA
TTATAACAGTGAGCTCATCTGACTGTTTTAGGATGTACAGCCTAGTGTTAACATTCTTGGTATCTTTTTGTGCCT
TATCTAAAACATTTCTCGATCACTGGTTTCAGATGTTTATTATATTCTTTTCAAAGATTCAGAGATTGGCT
TTTGTATCCACTATTGTATGTTTTGTTTCATTGACCTCTAGTGATACCTTGATCTTTCCCACTTTCTGTTTTCG
GATTGGAGAAGATGTACCTTTTTTGTCAACTCTTACTTTTATCAGATGATCAACTCACGTATTTGGATCTTTATT
TGTTTTCTCAAATAAATATTTAAGGTTAAAAAAAAAAAAAAAAAAAAAAAAA

3197/6881
FIGURE 2950

MEAAETEAEAAALEVLAEVAGILEPVGLQEEAELPAKILVEFVVD SQKKDKLLCSQLQVADFLQNILAQEDTAKG
LDPLASEDTSRQKAIAAKEQWKELKATYREHVEAIKIGLT KALTQMEEAQRKRTLREAFEQLOAKKQMAMEKRR
AVQNQWQLQQEKHLQHLAEVSAEVRERKTGTQQELDRV FQKLGNLKQQAEQERDKLQRYQTFLLLYTLQGKLLF
PEAEAEAENLPDDKPQQPTRPQEQSTGDTMGRDPGVSFKAVGLQPAGDVNLP

3198/6881
FIGURE 2951

GATCGCGGAGTCGGTGCTTTAGTACGCCGCTGGCACCTTTACTCTCGCCGGCCGCGCGAACCCGTTTGAGCTCGG
TATCCTAGTGACACGCCTTTGCAAGCGACGGCGCCATGAGTCTGACTTCCAGTTCAGCGTACGAGTTGAATGG
ATCGCAGCAGTTACCATTTGCTGCTGGGACAGCTGCAATTGGTTATCTAGCTTACAAAAGATTTTATGTTAAAGAT
CATCGAAATAAAAGCTATGATAAACCTTTCACATCCAGAAAGACAACCCCAAGATAGTACATGCTTTTGACATGGAG
GATTGGGAGATAAAAGCTGTGTACTGCCGTTGTTGGAGGTCCAAAAAGTTCCCATTTCTGTGATGGGGCTCACACA
AAACATAACGAAGAGACTGGAGACAATGTGGGCCCTCTGATCATCAAGAAAAAAGAACTTAAATGGACACTTTT
GATGCTGCAAATCAGCTTGTCTGAAGTTACCTGATTGTTTAATTAGAATGACTACCACCTCTGTCTGATTACCC
TTCGCTGGATTCTAAATGTGGTATATTGCAAACTGCAGCTTTCACATTTATGGCATTGTCTTGTGAAACATCG
TGGTGACATTTGTTTAAACAAAAAAAAAAAAAAAA

3199/6881
FIGURE 2952

MSLTSSSSVRVEWIAAVTIAAGTAAIGYLAYKRFYVKDHRNKAMINLHIQKDNPKIVHAFDMEDLGDKAVYCRCW
RSKKFPFCDGAHTKHNEETGDNVGPLIIKKKET

3200/6881
FIGURE 2953

GGAAAGAAGGCCAAGGGAAAGAAGGTGGTTCCGGCCCCCTGCTGTCATGAAGAAGCAGGAGGCTAAGAAAGTGGTG
AATCCCCTGTTTGAGAAACGGCCTAAGAATTTTGGCATTGGACAGGACATCCAGCCCCAAAGACACTTCACCCGC
TTTGTGAAATGGCCCTGCTATATCAGGTTGCAGCGGCAGAGAGCCATCCTCTATAAGGGGCTGAAAGTGCCTCCT
GCGATTAACCAGTTCACCCAGGCCCTGGACCGCCAAACAGCTACTCAGCTGCTTAAGCTGGCCCACAAGTACAGA
CCAGAGACAAAAGACACTTTGGCTAAGCTGGTGGGAAGCTATCAGGACCAATTACAACGACAGATACAGATACGAT
GAGATCCGCTGTCACTGGGGCAGCAACGTCCTGGGTCCCTAAGTCCGTGGCTCGTATCGCCAAGCTCGAAAAGGCA
AAGGCTAAAGAACTTGCCACTAACTGGGTTAAATGTACACTGTTGAGTTTCTGTACATAAAAAATAATTAAAT
AA

3201/6881
FIGURE 2954

MKKQEAKKVVNPLFEKRPKNFGIGQDIQPKRHFTRFVKWPCYIRLQRQRAILYKGLKVPPAINQFTQALDRQTAT
QLLKLAHKYRPETKDTLAKLVEAIRTNYNDRYRYDEIRCHWGSNVLGPKSVARIAKLEKAKAKELATKLG

3202/6881
FIGURE 2955

CCGTTGTGGCGAGCGCTACACGAGGCAAACGACTTCTCCCTTCTTTGAACTGGACCCCGCGAGCACCAGAGTCGG
CGTAACTATCGCCTGACAGGCATTTAAATCAAACGGTATTGAGATGGATTGGGTTATGAAACATAATGGTCCAAA
TGACGCTAGTGATGGGACAGTACGACTTCGTGGACTACCATTGGTTGCAGCAAAGAGGAAATAGTTCAGTTCTT
TCAAGGGTTGGAAATCGTGCCAAATGGGATAACATTGACGATGGACTACCAGGGGAGAAGCACAGGGGAGGCCTT
CGTGCAGTTTGCTTCAAAGGAGATAGCAGAAAATGCTCTGGGGAAACACAAGGAAAGAATAGGGCACAGGTATAT
TGAGATCTTCAGAAGTAGCAGGAGTGAAATCAAAGGATTTTATGATCCACCAAGAAGATTGCTGGGACAGCGACC
GGGACCATATGATAGACCAATAGGAGGAAGAGGGGGTTATTATGGAGCTGGGCGTGGAAAGTATGTATGACAGAAT
GCGACGAGGAGGTGATGGATATGATGGTGGTTATGGAGTTTTGATGACTATGGTGGCTATAATAATTACGGCTA
TGGGAATGATGGCTTTGATGACAGAATGAGAGATGGAAGAGGTATGGGAGGACATGGCTATGGTGGAGCTGGTGA
TGCAAGTTCAGGTTTTTCATGGTGGTCATTTTCGTACATATGAGAGGGTGCCTTTTCGTGCAACTGAAAATGACAT
TGCTAATTTCTTCTCACCCTAAATCCAATACGAGTTCATATTGATATTGGAGCTGATGGCAGAGCCACAGGAGA
AGCAGATGTAGAGTTTGTGACACATGAAGATGCAGTAGCTGCCATGTCTAAAGATAAAAAATAACATGCAACATCG
ATATATTGAACTCTTCTGAATTCTACTCCTGGAGGCGGCTCTGGCATGGGAGGTTCTGGAATGGGAGGCTACGG
AAGAGATGGAATGGATAATCAGGGAGGCTATGGATCAGTTGGAAGAATGGGAATGGGGAACAATTACAGTGGAGG
ATATGGTACTCCTGATGGTTTTGGGTGGTTATGGCCGTGGTGGTGGAGGCAGTGGAGGTTACTATGGGCAAGGCGG
CATGAGTGGAGGTGGATGGCGTGGGATGTACTGAAAGCAAAAACACCAACATAACAAGTCTTGACAACAGCATCTG
GTCTACTAGACTTTCTTACAGATTTAATTTCTTTTGTATTTTAAAGAACTTTATAATGACTGAAGGAATGTGTTTT
CAAAATATTATTTGGTAAAGCAACAGATTGTGATGGGAAAATGTTTTCTGTAGGTTTATTTGTTGCATACTTTGA
CTTAAAAATAAATTTTTATATTCAAACCACTGATGTTGATACTTTTTATATACTAGTTACTCCTAAAGATGTGCT
GCCTTCATAAGATTTGGGTTGATGTATTTTACTATTAGTTCTACAAGAAGTAGTGTGGTGTAATTTTAGAGGATA
ATGGTTTCACCTCTGCGTAAACTGCAAGTCTTAAGCAGACATCTGGAATAGAGCTTGACAAAATAATTAGTGTA
TTTTCTTTTAGTTCTCTCCTGGACAACACTGTAAATATAAAGCCTAAAGATGAAGTGGCTTCAGGAGTATAAATTC
AGCTAATTATTTCTATATTATTATTTTCAAATGTCATTTATCAGGCATAGCTCTGAAACATTGATGATCTAAGA
GGTATTGATTTCTGAATATTCATAATTGTGTTACCTGGGTATGAGAGTGTTGGAAGCTGAATTTCTAGCCCTAGAT
TTTGGAGTAAAACCCCTTCAGCACTTGACCGAAATACCAAAAATGTCTCAAAAAATTGATAGTTGCAGGTTATC
GCAAGATGTCTTAGAGTAGGGTTAAGGTTCTCAGTGACACAAGAATTCAGTATTAAGTACATAGGTATTTACTAT
GGAGTATAATTCTCACAATTGTATTTTTCAGTTTTCTGCCAATAGAGTTTAAATAACTGTATAAATGATGACTTT
AAAAAATGTAAGCAACAAGTCCATGTCATAGTCAATAAAAAACAATCCTGCAGTTGGGTTTTGTATCTGATCCCT
GCTTGGAGTTTTAGTTTAAAGAATCTATATGTAGCAAGGAAAAGGTGCTTTTTTAATTTTAAATCCCTTTGATCAAT
ATGGCTTTTTTCCAAATTGGCTAATGGATCAAATGAAACCTGTTGATGTGAATTCAGTTATTGAACTTGTTACT
TGTTTTTGCCAGAAATGTTATTAATAAATGTCAATGTGGGAGATAAAAAAAAAAAAAAAAAAAAAA

3203/6881
FIGURE 2956

MDWVMKHNGPNDASDGTVRLRGLPFGCSKEEIVQFFQGLEIVPNGITLTMDYQGRSTGEAFVQFASKEIAENALG
KHKERIGHRYIEIFRSSRSEIKGFYDPPRRLGQRP GPYDRPIGGRGGYYGAGRGS MYDRMRRGDGYDGGYGGF
DDYGGYN NYGYGNDGFDDMRDGRGMGGHGYGGAGDASSGFHGGHFVHMRGLPFRATENDIANFFSPLNPIRVHI
DIGADGRATGEADVEFVTHEDAVAAMSKDKNNMQHRYIELFLNSTPGGGSGMGGSGMGGYGRDGM DNQGGYGSVG
RMGMGN NYSGGYGTPDGLGGYGRGGGGSGGYYGQGGMSGGGWRGMY

3204/6881
FIGURE 2957

GCATGGCCAAGGCCGGGCGGCCGCTTGCCCCGCTTCCTTTACGCTGTCGCTGCCCCGTAGGTGGTTGTGGCCA
CTGTGCCCCGGAGGGAGGCGGGTGGCCAGTAATGCCTGGGAACTCCTCTGGGGGGACATTATGGAGCTGGAAG
CACCCCTTGGAGGAGTCCGAGAGCCAGAAGAAGGAGAGGCCAAAAGAGTGACAGAAGGAAGTCAAGGCACCATTATG
ACTCGGATGAGAAATCAGAAACAAGAGAAAATGGTGTTACAGATGACCTGGATGCTCCCAAGGCCAAAAATCTA
AAATGAAAGAGAAGCTAAATGGAGACACTGAAGAAGGATTTAATAGACTTTTCAGATGAATTCTCCAAATCTCATA
AGTCAAGAAGAAAAGATCTACCAAATGGAGATATAGATGAATATGAAAAAAAATCAAAGCGAGTATCATCTTTAG
ATACTTCTACTCATAAATCAAGTGATAATAAACTAGAGGAGACCTTAACACGTGAACAGAAAGAAGGAGCCTTCT
CCAATTTTCCTATTTCTGAAGAGACTATAAAGCTTCTGAAAGGTGAGGGGTAAACATATCTCTTTCTTATTCAAG
TTAAGACCTTTGGTCCTGTATATGAAGGAAAAGATTTAATAGCTCAAGCACGGACAGGAACAGGAAAGACATTCT
CTTTTGCCATCCCCTTAATTGAAAGACTCCAAAGAAATCAAGAAACAATTAAAAAAGCCGCTCACCAAAGGTAC
TTGTTTTGGCTCCAACAAGGGAAGTGGCAAACCAAGTAGCCAAAGACTTCAAAGATATAACTAGGAAACTCAGCG
TGGCGTGTTTTTATGGTGGAACATCATATCAAAGCCAAATTAATCATATTGAAATGGTATTGACATCTTGGTTG
GAACACCTGGTCGTATCAAAGACCATCTGCAGAGTGGCCGATTGGATCTTTCTAAACTGCGACATGTTGTGCTTG
ATGAAGTGGATCAGATGTTAGATTTAGGTTTTGCTGAACAAGTGAAGATATTATTATGAATCCTACAAAAGT
ATTCTGAAGACAATCCTCAGACTTTACTTTTTTCTGCAACTTGCCACAGTGGGTATACAAAGTTGCAAAAAAT
ACATGAAATCCAGATATGAACAGGTTGACCTTGTGGAATAATGACTCAAAGGCTGCAACTACTGTGGAACATT
TGGCCATCCAGTGTCAATTGGTCTCAGAGGCCAGCAGTTATTGGAGATGTCCTTCAAGTCTACAGTGGGTCTGAAG
GGAGGGCTATTATTTTCTGTGAGACCAAGAAGAATGTAAGTGAATGGCCATGAATCCACACATAAAACAGAATG
CCCAGTGTTTACATGGGGACATTGCACAGTCACAAAGAGAAATTACACTAAAAGGCTTCAGAGAAGGTAGTTTTA
AAGTTTTGGTGGCAACCAATGTGGCTGCCCCGTGGTTTTGGACATTCTGAAGTTGACCTGGTGATTCAAAGTTCTC
CTCCTCAGGATGTTGAGTCTTATATCCATCGCTCTGGACGCACAGGTAGAGCTGGACGGACAGGGATTTGTATAT
GTTTTTATCAACCAAGAGAAAGAGGTCAACTAAGATATGTGGAACAAAAAGCAGGAATTACTTTTAAACGTGTAG
GTGTTCTTCTACAATGGATTTAGTTAAATCTAAAAAGCATGGATGCCATCAGGTCTCTGGCTTCCGTTTCTTATG
CTGCTGTTGATTTTTTCCGACCATCAGCTCAGAGACTGATAGAAGAGAAAGGTGCAGTGGATGCATTGGCTGCAG
CTTTAGCCACATTTCTGGTGCATCAAGCTTTGAACCACGATCTTTGATCACCTCTGATAAGGGGTTTGTGACCA
TGACTCTGGAAAGCCTAGAGGAAATACAGGATGTCAGCTGTGCTTGGAAAGAACTTAACAGAAAGCTGAGTAGTA
ATGCAGTGTCTCAGATTACCAGAATGTGCCTCCTGAAAGGAAATATGGGTGTTTGCTTTGATGTTTCTTACAACTG
AGTCAGAAAGGTTACAGGCAGAGTGGCATGATTCCGACTGGATACTCTCAGTGCCAGCCAAATTACCTGAAATTG
AAGAATATTATGATGGAAACACATCTTCTAATTCAGACAGAGGAGTGGCTGGTCAAGTGGTGCATCAGGCCGCT
CAGGCCGGTCAGGTGGTGCATCTGGCGGCCGGTCAGGTAGACAGAGTGCACAAGGAAGTCGCTCAGGAAGTCGAC
AAGATGGTAGAAGACGAAGTGGGAATAGAAATCGATCAAGAAGTGGGGGCCACAAACGGAGTTTTGACTGAGTAT
TTGATAGTTAATCTACCAGTGTGAGCTTGCTTATTCTGCCTAATCATGTACATTATCCACCAAAAAATTAGGTCA
TCATAGTTGAGGTATGTGCTGCTATTTGCAAAGAGTTGGTCGTATTTTTTTAAAAAGTATTTTACAAGAATGG
AACAAATCTACTTATCCAGTTATACCTTTGAATAAAAAAACCTCCTTTTATTGTCTCTTTTCAAAAAA
AAAAAAAAAAAAAAAAAAAAA

3206/6881
FIGURE 2959

CTACCTCTTCCTCTCCACGCGGTTGAGAAGACCGGTCGGCCTGGGCAACCTGCGCTGAAGATGCCGGGAAAACTC
CGTAGTGACGCTGGTTTGGAATCAGACACCGCAATGAAAAAGGGGAGACACTGCGAAAGCAAACCGAGGAGAAA
GAGAAAAAAGAGAAGCCAAAATCTGATAAGACTGAAGAGATAGCAGAAGAGGAAGAACTGTTTTCCCAAAGC
TAAACAAGTTAAAAAGAAAGCAGAGCCTTCTGAAGTTGACATGAATTCTCCTAAATCCAAAAGGCCAAAAAGAA
AGAGGAGCCATCTCAAAATGACATTTCTCCTAAAACCAAAGTTTGAGAAAAGAAAAGGAGCCATTGAAAAGAA
AGTGGTTTCTTCTAAAACCAAAGTGACAAAAATGAGGAGCCTTCTGAGGAAGAAATAGATGCTCCTAAGCC
CAAGAAGATGAAGAAAGAAAAGGAAATGAATGGAGAACTAGAGAGAAAAGCCCCAACTGAAGAATGGATTTCC
TCATCCTGAACCGGACTGTAACCCAGTGAAGCTGCCAGTGAAGAAAGTAACAGTGAGATAGAGCAGGAAATACC
TGTGGAACAAAAAGAAGGCGCTTTCTCTAATTTTCCCATATCTGAAGAACTATTAACTTCTCAAAGGCCGAGG
AGTGACCTTCTTATTTCTATACAAGCAAAGACATTCCATCATGTTTACAGCGGGAAGGACTTAATTGCACAGGC
ACGGACAGGAACCTGGGAAGACATTCTCCTTTGCCATCCCTTTGATTGAGAACTTCATGGGGAAGTCAAGACAG
GAAGAGAGGCCGTGCCCTCAGGTACTGGTTCTTGACCTACAAGAGAGTTGGCAAATCAAGTAAGCAAAGACTT
CAGTGACATCAAAAAAGCTGTCAGTGGCTTGTTTTTATGGTGGAACCTCCCTATGGAGGTCAATTTGAACGCAT
GAGGAATGGGATTGATATCCTGGTTGGAACACCAGGTGCTATCAAAGACCACATACAGAATGGCAAAGTAGATCT
CACCAAATTAAGCATGTTGCTCTGGATGAAGTGACAGATGTTGGATATGGGATTTGCTGATCAAGTGAAGA
GATTTTAAGTGTGGCATAACAAGAAAGATTCTGAAGACAATCCCCAAACATTGCTTTTTCTGCAACTTGCCCTCA
TTGGGTATTTAATGTTGCCAAGAAATACATGAATCTACATATGAACAGGTGGACCTGATTGGTAAAAAGACTCA
GAAAACGGCAATAACTGTGGAGCATCTGGCTATTAAGTGCCACTGGACTCAGAGGGCAGCAGTTATTGGGGATGT
CATCCGAGTATATAGTGGTCATCAAGGACGCACATCATCTTTTGTGAAACCAAGAAAGAAGCCCAGGAGCTGTC
CCAGAATTCAGCTATAAAGCAGGATGCTCAGTCCTTGATGGAGACATTCCACAGAAGCAAAGGGAATCACCTT
GAAAGGTTTTAGAAATGGTAGTTTTGGAGTTTTGGTGGAACCAATGTTGCTGCACGTGGGTTAGACATCCCTGA
GGTTGATTTGGTTATACAAAGCTCTCCACCAAAGGATGTAGAGTCTACATTCATCGATCCGGGCGGACAGGCAG
AGCTGGAAGGACGGGGGTGTGCATCTGCTTTTTATCAGCACAAGGAAGAATATCAGTTAGTACAAGTGGAGCAAAA
AGCGGGAATTAAGTTCAAACGAATAGGTGTTCTTCTGCAACAGAAATAATAAAAGCTTCCAGCAAAGATGCCAT
CAGGCTTTTTGGATTCCGTGCCCTCCCACTGCCATTAGTCACTTCAAACAATCAGCTGAGAAGCTGATAGAGGAGAA
GGGAGCTGTGGAAGCTCTGGCAGCAGCACTGGCCCATATTTAGGTGCCACGTCCGTAGACCAGCGCTCCTTGAT
CAACTCAAATGTGGGTTTTGTGACCATGATCTTGCAGTGCTCAATTGAAATGCCAAATATTAGTTATGCTTGGA
AGAACTTAAAGAGCAGCTGGGCGAGGAGATTGATTCCAAAGTGAAGGGAATGGTTTTTCTCAAAGGAAAGCTGGG
TGTTTGCTTTGATGTACCTACCGCATCAGTAACAGAAATACAGGAGAAATGGCATGATTCACGACGCTGGCAGCT
CTCTGTGGCCACAGAGCAACCAGAACTGGAAGGACCACGGGAAGGATATGGAGGCTTCAGGGGACAGCGGGAAGG
CAGTCGAGGCTTCAGGGGACAGCGGGACGGAAACAGAAGATTAGAGGACAGCGGGAAGGCAGTAGAGGCCCGAG
AGGACAGCGATCAGGAGGTGGCAACAAAAGTAACAGATCCCAAAACAAAGGCCAGAAAGCGGAGTTTCAGTAAAGC
ATTTGGTCAATAAATTAGAAATAGAAGATTTATATAGCAAAAAGAGAATGATGTTTGCCAATATAGAATGAACAT
TATTTTTCATGCAAAGTTAAAAGCACATTGTGCCTCCTTTTGACCACTTGCCAAGTCCCTGTCTCTTTTACAGACAC
AGACAAGCTTCATTTAAATTATTTTATCTGATCATTATCATTATAACTTTTATTGTTACTTCATCAGTTTTTCTT
TTTGAAAGGTGTATGAATTCATTACATTTTTATTCTAATGTATTATCTGTAGATTAGAAGATAAAATCAAGCATG
TATCTGCCTATACTTTGTGAGTTCACCTGTCTTTATACTCAAAAGTGTCCCTTAATAGTGTCTTCCCTGAAATA
AATACCTAAGGGAGTGTAACAGTCTCTGGAGGACCCTTTGAGCCTTTGGAAGTTAAGGTTTCTCAGCCACCTG
CCGAACAGTTTTCTCATGTGGTCTTATTATTTGTCTACTGAGACTTAATACTGAGCAATGTTTTGAAACAAGATTT
CAAATAATCTGGGTTGTAATACAGTTTATACCAGTGTATGCTCTAGACTTGGAAGATGTAGTATGTTTGATGTG
GATTACCTATACTTATGTTTCGTTTTTGATACATTTTTAGCTTCTCATTATAAGGTGATTGCTTTAGTGAATTC
TTCATAGATAGTATATATAAAGTACATTTTAAATAGAAAGCCAGGGTTTTAAGGAATTTACATGTATAAGGTGG
CTCCATAGCTTTATTTGTAAGTAGGCTGGATAAATGGTGCTTAAATGGTAATGTACTCCACTTCTTCTTATTGGA
AGATTAACATTATTTACCAAGAAGGACTTAAGGGAGTAAGGGGCGCAGATTAGCATTGCTCAAGAGTATGTAAAA
AAAAAAAAAAAAAAAAAAAA

3207/6881
FIGURE 2960

MNSPKSKKAKKKEEPSQNDISPKTKSLRKKKEPIEKKVVSSTKKVTKNEEPSEEEIDAPKPKKMKKEKEMNGET
REKSPKLKNGFPHPEPDCNPSEAASEESNSEIEQEIPVEQKEGAFSNFPISEETIKLLKGRGVTFLEFPIQAKTFH
HVYSGKDLIAQARTGTGKTFSFAIPLIEKLHGELQDRKGRAPQVLVLAPTRELANQVSKDFSDITKKLSVACFY
GGTPYGGQFERMRNGIDILVGTPGRIKDHIQNGKLDLTKLKHVVLEVDQMLDMGFADQVEEILSVAYKKDSEDN
PQTLLFSATCPHWVFNVAKKYMKSTYEQVDLIGKKTQKTAITVEHLAIKCHWTQRAAVIGDVIRVYSGHQGRTII
FCETKKEAQELSONSAIKQDAQSLHGDIPQKQREITLKGFRNGSFGLVATNVAARGLDIPVDLVIQSSPPKDV
ESYIHRSGRTGRAGRTGVCICFYQHKEYQLVQVEQKAGIKFKRIGVPSATEI IKASSKDAIRLLDSVPPTAISH
FKQSAEKLIEEKGAVEALAAALAHISGATSVDQRSLINSNVGFVTMILQCSIEMPNISYAWKELKEQLGEEIDSK
VKGMVFLKGKLGVCFDVPTASVTEIQEKWHDSSRWQLSVATEQPELEGPREGYGGFRGQREGSRGFRGQRDGNRR
FRGQREGSRGFRGQRSGGGNKSNRSQNKGQKRSFSKAFGQ

3208/6881
FIGURE 2961

GAATTCCGCTAGACTAAGTTGGTCAATGATGCAGAAGCTACTCAAATGCAGTCGGCTTGTCTGGCTCTTGCCCTC
ATCCTGGTTCTGGAATCCTCAGTTCAAGGTTATCCTACGCAGAGAGCCAGGTACCAATGGGTGCGCTGCAATCCA
GACAGTAATTCTGCAAACCTGCCTTGAAGAAAAAGGACCAATGTTTGAAGTACTTCCAGGTGAATCCAACAAGATC
CCCCGTCTGAGGACTGACCTTTTTTCCAAAGACGAGAATCCAGGACTTGAATCGTATCTTCCCACCTTTCTGAGGAC
TACTCTGGATCAGGCTTCGGCTCCGGCTCCGGCTCTGGATCAGGATCTGGGAGTGGCTTCCTAACGAAATGGAA
CAGGATTACCAACTAGTAGACGAAAGTGATGCTTTCCATGACAACCTTAGGTCTCTTGACAGGAATCTGCCCTCA
GACAGCCAGGACTTGGGTCAACATGGATTAGAAGAGGATTTTATGTTATAAAAGAGGATTTTCCCACCTTGACAC
CAGGCAATGTAGTTAGCATATTTTATGTACCATGGTTATATGATTAATCTTGGGACAAAGAATTTTATAGAAATT
TTTAAACATCTGAAAAAGAAGCTTAAGTTTTATCATCCTTTTTTTTCTCATGAATCTTAAAGGATTATGCTTTA
ATGCTGTTATCTATCTTATTGTTCTTGAATAACCTGCATTTTTTGGTATCATGTTCAACCAACATCATTATGAA
ATTAATTAGATTCCCATGGCCATAAAATGGCTTTAAAGAATATATATATATTTTTTAAAGTAGCTTGAGAAGCAAA
TTGGCAGGTAATATTTTATACCTAAATTAAGACTCTGACTTGGATTGTGAATTATAATGATATGCCCTTTTCTT
ATAAAAAACAAAAAATAATGAAACACAGTGAATTTGTAGAGTGGGGTATTTGACATATTTTACAGGGTGA
GTGTACTATATACTATTACCTTTGAATGTGTTTGCAGAGCTAGTGGATGTGTTTGTCTACAAGTATGATTGCTGT
TACATAACACCCCAAATTAACCTCCCAAATTAACACAGTTGTGCTGTCAATACCTCATACTGCTTTACCTTTTT
TTCTGGATATCTGTGTATTTTCAAATGTTACTATATATTAAGCAGAAATATAACC

3209/6881
FIGURE 2962

MMQKLLKCSRLVLALALILVLESSVQGYPTQRARYQWVRCNPDSNSANCLEEKGPMFELLPGESNKIPRLRTDLF
PKTRIQDLNRIFPLSEDYSGSGFGSGSGSGSGSGSGFLTEMEQDYQLVDESDAFHDNLRSLDRNLPSDSQDLGQH
GLEEDFML

3210/6881
FIGURE 2963

GAACGCCGGTGGCGGGGCTGGTAGCCCGGCAGCCGCAGGTGGGGCCACGAGCGCTGGCTGAGGGACCGAGCCGGA
GAGCCCCGGAGCCCCCGTAACCCGCGCGGGGAGCGCCAGGATGCCGCGCGGGGACTCGGAGCAGGTGCGCTACT
GCGCGCGCTTCTCCTACCTCTGGCTCAAGTTTTCACTTATCATCTATTCCACCGTGTTCTGGCTGATTGGGGCCC
TGGTCCTGTCTGTGGGCATCTATGCAGAGGTTGAGCGGCAGAAATATAAAACCCTTGAAAGTGCCTTCCTGGCTC
CAGCCATCATCCTCATCCTCCTGGGCGTCGTCATGTTTCATGGTCTCCTTCATTGGTGTGCTGGCGTCCCTCCGTG
ACAACCTGTACCTTCTCCAAGCATTTCATGTACATCCTTGGGATCTGCCTCATCATGGAGCTCATTGGTGGCGTGG
TGGCCTTGACCTTCCGGAACCAGACCATTGACTTCCTGAACGACAACATTGGAAGAGGAATTGAGAACTACTATG
ATGATCTGGACTTCAAAAACATCATGGACTTTGTTTCAGAAAAAGTTCAAGTGCTGTGGCGGGGAGGACTACCGAG
ATTGGAGCAAGAATCAGTACCACGACTGCAGTGCCCCCTGGACCCCTGGCCTGTGGGGTGCCCTACACCTGCTGCA
TCAGGAACACGACAGAAGTTGTCAACACCATGTGTGGCTACAAAACATCGACAAGGAGCGTTTCAGTGTGCAGG
ATGTCATCTACGTGCGGGGCTGCACCAACGCCGTGATCATCTGGTTCATGGACAACACTACACCATCATGGCGGGCA
TCCTCCTGGGCATCCTGCTTCCCCAGTTCTGGGGGTGCTGCTGACGCTGCTGTACATCACCGGGTGGAGGACA
TCATCATGGAGCACTCTGTCACTGATGGGCTCCTGGGGCCCCGGTGCCAAGCCCAGCGTGGAGGCGGCAGGCACGG
GATGCTGCTTGTGCTACCCCAATTAGGGCCCAGCCTGCCATGGCAGCTCCAACAAGGACCGTCTGGGATAGCACC
TCTCAGTCAACATCGTGGGGCTGGACAGGGCTGCGGGCCCCCTGCCCCACACTCAGTACTGACCAAAGCCAGGGCT
GTGTGTGCCTGTGTGTAGGTCCACGGCCTCTGCCTCCCCAGGGAGCAGAGCCTGGGCCTCCCCTAAGAGGCTTT
CCCCGAGGCAGCTCTGGAATCTGTGCCACCTGGGGCCTGGGGAACAAGGCCCTCCTTTCTCCAGGCCTGGGCTA
CGGGGGAGGGAGAGCCTGAGGCTCTGCTCAGGGCCCATTTCATCTCTGGCAGTGCCTTGGCGGTGGTATTCAAGG
CAGTTTTGTAGCACCTGTAATTGGGGAGAGGGAGTGTGCCCTCGGGGCAGGAGGGAAGGGCATCTGGGGAAGGG
CAGGAGGGAAGAGCTGTCCATGCAGCCACGCCCATGGCCAGGTTGGCCTCTTCTCAGCCTCCCAGGTGCCTTGAG
CCCTCTTGCAAGGGCGGCTGCTTCCTTGAGCCTAGTTTTTTTACGTGATTTTTGTAAACATTATTTTTTTGTACA
GATAACAGGAGTTTCTGACTAATCAAAGCTGGTATTTCCCCGCATGTCTTATTCTTGCCCTTCCCCCAACCAGTT
TGTTAATCAAACAATAAAAACATGTTTTTTTTT

3211/6881
FIGURE 2964

GGGCTCTCTCCTTGTCTCAGTCGGCGCCGCGTGC GGGCTGGTGGCTCTGTGGCAGCGGCGGCGGCAGGACTCCGGCA
CTATGAGCGGCTTCAGCACCGAGGAGCGCGCCGCGCCCTTCTCCCTGGAGTACCGAGTCTTCCTCAAAAATGAGA
AAGGACAATATATATCTCCATTTTCATGATATTCCAATTTATGCAGATAAGGATGTGTTTCACATGGTAGTTGAAG
TACCACGCTGGTCTAATGCAAAAATGGAGATTGCTACAAAGGACCCTTTAAACCCTATTAAACAAGATGTGAAAA
AAGGAAAACTTCGCTATGTTGCGAATTTGTTCCCGTATAAAGGATATATCTGGAACTATGGTGCCATCCCTCAGA
CTTGGGAAGACCCAGGGCACAATGATAAACATACTGGCTGTTGTGGTGACAATGACCCAATTGATGTGTGTGAAA
TTGGAAGCAAGGTATGTGCAAGAGGTGAAATAATTGGCGTGAAAGTTCTAGGCATATTGGCTATGATTGACGAAG
GGGAAACCGACTGGAAAGTCATTGCCATTAATGTGGATGATCCTGATGCAGCCAATTATAATGATATCAATGATG
TCAAACGGCTGAAACCTGGCTACTTAGAAGCTACTGTGGACTGGTTTTAGAAGGTATAAGGTTCCCTGATGGAAAC
CAGAAAATGAGTTTGCGTTTAATGCAGAATTTAAAGATAAGGACTTTGCCATTGATATTATTAAGCACTCATG
ACCATTTGGAAAGCATTAGTGACTAAGAAAACGAATGGAAAAGGAATCAGTTGCATGAATACAACCTTTGTCTGAGA
GCCCCCTTCAAGTGTGATCCTGATGCTGCCAGAGCCATTGTGGATGCTTTACCACCACCCTGTGAATCTGCCTGCA
CAGTACCAACAGACGTGGATAAGTGGTTCCATCACCAGAAAACTTAATGAGATTTCTCTGGAATACAAGCTGATA
TTGCTACATCGTGTTCATCTGGATGTATTAGAAGTAAAAGTAGTAGCTTTTCAAAGCTTTAAATTTGTAGAACTC
ATCTAACTAAAGTAAATTCTGCTGTGACTAATCCAATATACTCAGAAATGTTATCCATCTAAAGCATTTTTTCATAT
CTCAACTAAGATAACTTTTAGCACATGCTTAAATATCAAAGCAGTTGTCATTTGGAAGTCACTTGTGAATAGATG
TGCAAGGGGAGCACATATTGGATGTATATGTTACCATATGTTAGGAAATAAAATTATTTTGCTGAAAAA
AAAAAA

3212/6881
FIGURE 2965

MSGFSTEERAAPFSLEYRVFLKNEKGQYISPFHDIPIYADKDVFMVVEVPRWSNAKMEIATKDPLNPIKQDVKK
GKLRVANLEFPYKGYIWNYGAIPTWEDPGHNDKHTGCCGDNDPIDVCEIGSKVCARGEIIGVKVLGILAMIDEG
ETDWKVIAINVDDPDAANYNDINDVKRLKPGYLEATVDWFRRYKVPDGGKPFENEFNAEFKDKDFAIDIIKSTHD
HWKALVTKKTNGKGISCMNTTLESFPKCDPDAARAIVDALPPPCEACTVPTDVKWFHHQKN

3213/6881
FIGURE 2966A

ATGAGCTGCTCAAGGCTCATTACACGTTGGGCCGGCTCTCGGACAACACCCCTGAGCACTACCTGGTGCAAGGCC
GCTACTTCCCTGGTGCGGGATGTCACTGAGAAGATGGATGTGCTGGGCACCGTGGAAGCTGTGGGGCCCCAACT
TCCGGCAGGTGCAGGGTGGGCTCACTGTGTTTCGGCATGGGACAGCCAGCCTCTCAGGGTTCAGGCGGGTCTCTCC
AGAACTCCAGAAGGACGGACATAGGGAGTGTGTCATCTTCTGTGTGCGGGAGGAACCTGTGCTTTTCTGCGTG
CAGATGAGGACTTTGTGTCCTACACACCTCGAGACAAGCAGAACCTTCATGAGAACCTCCAGGGCCTTGACCCG
GGGTCEGGGTGGAGAGCCTGGAGCTGGCCATCCGGAAGAGATCCACGACTTTGCCCAGCTGAGCGAGAACACAT
ACCATGTGTACCATAACACCGAGGACCTGTGGGGGGAGCCCCATGCTGTGGCCATCCATGGTGAGGACGACTTGC
ATGTGACGGAGGAGGTGTACAAGCGGCCCTCTTCTGTCAGCCACCTACAGGTACCACCGCCTGCCCCGCCCCG
AGCAAGGGAGTCCCCTGGAGGCCAGTTGGACGCCTTTGTCACTGTTCTCCGGGAGACCCCCAGCCTGCTGCAGC
TCCGTGATGCCACGGGCCCTCCCCAGCCCTCGTCTTACAGTGCCAGATGGGCGTGGGCAGGACCAACCTGGGCA
TGGTCTTGGGCACCTCATCTGCTTACCGCAGTGGGACCACCTCCCAGCCAGAGGCTGCCCCACGCAGGCCA
AGCCCCCTGCCTATGGAGCAGTTCCAGGTGATCCAGAGCTTTCTCCGCATGGTGCCCCAGGGAAGGAGGATGGTGG
AAGAGGTGGACAGAGCCATCACTGCCTGTGCCGAGTTGCATGACCTGAAAGAAGTGGTCTTGAAAACCAGAAGA
AGTTAGAAGGTATCCGACCGGAGAGCCCAGCCAGGGAAGCGGCAGCCGACACAGCGTCTGGCAGAGGGCGCTGT
GGAGCCTGGAGCGATACTTCTACCTGATCTGTTAACTACTACCTTCATGAGCAGTACCCGCTGGCCTTTGCCC
TCAGTTTCAGCCGCTGGCTGTGTGCCACCCCTGAGCTGTACCGCCTGCCCCGTGACGCTGAGCTCAGCAGGCCCTG
TGGCTCCGAGGGACCTCATCGCCAGGGGCTCCCTACGGGAGGACGATCTGGTCTCCCCGGACGCGCTCAGCACTG
TCAGAGAGATGGATGTGGCCAACTTCCGGCGGGTGCCCCGCATGCCCATCTACGGCACGGCCAGCCAGCGCCA
AGGCCCTGGGGAGCATCCTGGCCTACCTGACGGACGCCAAGAGGAGGCTGCGGAAGGTTGTCTGGGTGAGCCTTC
GGGAGGAGGCCGTGTTGGAGTGTGACGGGCACACCTACAGCCTGCGGTGGCCTGGGCCCCCTGTGGCTCCTGACC
AGCTGGAGACCCCTGGAGGCCAGCTGAAGGCCCATCTAAGCGAGCCTCCCCAGGCAAGGAGGGCCCCCTGACCT
ACAGGTTCCAGACCTGCCTTACCATGCAGGAGGTCTTACGCCAGCACCGCAGGGCCTGTCTGGCCTCACCTACC
ACCGCATCCCCATGCCGACTTCTGTGCCCCCGAGAGGAGGACTTTGACCAGCTGCTGGAGGCCCTGCGGGCCG
CCCTCTCCAAGGACCCAGGCACTGGCTTCGTGTTTCAGCTGCCTCAGCGCCAGGGCCGTACCACAACCTGCGATGG
TGGTGGCTGTCTTGGCCTTCTGGCACATCCAAGGCTTCCCCGAGGTGGGTGAGGAGGAGCTCGTGAGTGTGCCTG
ATGCCAAGTTCACTAAGGGTGAATTTAGGTAGTAATGAAGGTGGTGCAGCTGCTACCCGATGGGCACCGTGTGA
AGAAGGAGGTGGACGCAGCGCTGGACACTGTACGCGAGACCATGACGCCCATGCACTACCACCTGCGGGAGATCA
TCATCTGCACCTACCGCCAGGCGAAGGCAGCGAAAGAGGCGCAAGAAATGCGGAGGCTGCAGCTGCGGAGCCTGC
AGTACTTGGAGCGCTATGTCTGCCTGATTCTTCAACGCGTACCTCCACCTGGAGAAGGCCGACTCCTGGCAGA
GGCCCTTCAGCACCTGGATGCAGGAGGTGGCATCGAAGGCTGGCATCTACGAGATCCTTAACGAGCTGGGCTTCC
CCGAGCTGGAGAGCGGGGAGGACCAGCCCTTCTCCAGGCTGCGCTACCGGTGGCAGGAGCAGAGCTGCAGCCTCG
AGCCCTCTGCCCCGAGGACTTGCTGTAGGGGGCCTTACTCCCTGTCCCCCACCCACAGGGCCCCACGCAGGCC
TGGGGTGTCTGAGGTGCTCTTGGCTGGGAGCGGCCCTGAGGGGTGCTGGCCTTGAAATGATTCCCCCACTTCTCTG
GAGAGACTGAGCGGAGTTGGGAGCCTTTTTAGAAAGAACTTTTTATAGGACAGGGAGACAGCACAGCCATCCCTT
GCAAAACCAAGGTGTGTGGCTGACCTCCAGGGAGGAGCACTCACTGGAGTGCTCACAAGGTGCACACTGCTGT
GTGTACCTTGCAGACAGGCCGGCGTTCAGCCTCCAAGGGGCTCACTCCCCAGTTGCCAAACACTGTGGATCTCT
CTGTCTCTTCTCCCCCTCTCTCAGATTGGCCTGGCAGCCCTGGCACAGAGCAGACCCGGCCACTGGTAGCTCCC
CACTTCTTACTCCTGCTGCTCTGCCATTGCCGCTCCCCTTGTTGCTGCCAAGCACTGCCCTCGGGCGTCTGGC
AGCCTGAGGTGGGTGGAGGGGACAGTGTTCTGGATAGATCTATTATGTGAAAGGCAGCTTACCCAGTTTTCTGG
ACTCTCATGCCCCCATCTCCGACCTGGGAGACTTCAGGAATGACAACCTACCCAGCCTGGTGGGGCTGGCAGGAT
GGTGGAGGTTTTCTCAAGGAGCTGGAGACTTCAGGGAGCCCTCTCATGGGGAGGAAAGAGCTTCCAGGGGGCGAA
CGCAGCACAGAGGAAGAGGCCCTGCTCCACTTGTCTGGGAACCTGGGCAGGAGGCACAGAGGAAGCCAAGGCCCTGG
AGCTGCAGGTCCCCCGGCATCTCTCTGTCCCGGACGCCAGGATGGCCTGGTGCCCCACCTGCTGCAGCAGG
AGCCCCAAGGAGTGCTAGCTGAGGGTGGTTGCTGGGGTGGTCTCATGGACAGTGAGGTGTGCAAGGGTGCAGTG
AGGGTGGTGGGAGGGATCACCTGGGTTCAGGCCATCCTTGCTGAGCATCTTTGAGCCTGCCTTCCGGTGGGAG
CAGAAAAGGCCAGACCTGCTGAGTTAGAGGCTGCTGGGATCCACTGTTTCCACACAGCGGGAAGGCTGCTGGGA
ACAGGTGGCAGAGAAGTGCCATGTTGCGTTGAGCCTTGACGCTCTTCCAGCTGGGGACTGGTGCTTGCTGAAAC
CCAGGAGCTGAACAGTGAGGAGGCTGTCCACCTTGCTTGGCTCACTGGGACCAGGAAAGCCTGTCTTTGGTTAGG

3214/6881
FIGURE 2966B

CTCGTGTA CTTCG CAGGAAAAAAAAAAGGATGTGTCATTGGTCATGATATTTGAAAAGGGGAGGAGGCCGAA
GTTGTTCCCATTTATCCAGTATTGGAAAATATTTGACCCCTTGGCTGAATTCCTTTGCAGAACTACTGTGTGTC
TGTTCACTACCTTTTCAGGTTTATTGTTTTTATTTTGCATGAATTAAGACGTTTTAATTTCTTTGCAGACAAGG
TCTAGATGCGGAGTCAGAGATGGGACTGAATGGGGAGGGATCCTTTGTGTTCTCATGGTTGGCTCTGACTTTCAG
CTGTGTTGGGACCACTGGCTGATCACATCACCTCTCTGCCTCAGTTTCCCATCTGTAAAATGGGAGAATAATAC
TTGCCTACCTACCTCACAGGGGTGTTGTGAGGATTCATTTGTGATTTTTTTTTTTTTTTGTACAGAGCTTTTAAGC
ATTAAAAACAGCTAAATGTG

3215/6881
FIGURE 2967

MGTTASTAQQTVSAGTPFEGQLQSGTMDSRHSVSIHSFQSTSLHNSKAKSIIPNKVAPVVITYNCKEEFQIHDEL
LKAHYTLGRLSDNTPEHYLVQGRYFLVRDVTEKMDVLGTVGSCGAPNFRQVQGGLTVFGMGQPSLSGFRRVLQKL
QKDGHRECVIFCVREEPVLFLRADEDFVSYTPRDKQNLHENLQGLGPGVRVESLELAIRKEIHDFQAQSENTYHV
YHNTEDLWGEPHAVAIHGEDDLHVTEEVYKRPLFLQPTYRYHRLPLPEQGSPLAQQLDAFVSVLRETPSLLQLRD
AHGPPPALVFSCQMGVGRTNLGMVLGTLILLHRS GTTSQPEAAPTQAKPLPMEQFQVIQSFLRMVPQGRMV EEV
DRAITACAE LHD LKEVVLENQKKLEGIRPESPAQSGSRHSVWQRALWSLERYFYLLIFNYYLHEQYPLAFALSF
SRWLCAHP ELYRLPVT LSSAGPVAPRDLIARGSLREDDLVS PDALSTVREMDVANFRRVPRMPIYGTAQPSAKAL
GSILAYLTDAKRRLRKVVWVSLREEAVLECDGHTYSLRWP GPPVAPDQLETLEAQLKAHLSEPPPGKEGPLTYRF
QTCLTMQEVFSQHRRACPGLTYHRIPMPDFCAPREEDFDQLLEALRAALSKDPGTGFVFSCLSGQGRTTTAMVVA
VLAFWHIQGFPEVGEEELVSVPDAKFTKGEFQVVMKV VQLLPDGH RVKKEVDAA LDTVSETMTPMHYHLREIIIC
TYRQAKAAKEAQEMRRLQLRSLQYLER YVCLILFNAYLHLEKADSWQRPFSTWMQEVASKAGIYEILNELGFPEL
ESGEDQPFSRLRYRWQE QSCSLEPSAPEDLL

3216/6881
FIGURE 2968

CCGCCGTCTAGCGCCCCGACCTCGCCACCATGAGAGCCCTGCTGGCGCGCCTGCTTCTCTGCGTCCTGGTCGTGA
GCGACTCCAAAGGCAGCAATGAACTTCATCAAGTTCCATCGAACTGTGACTGTCTAAATGGAGGAACATGTGTGT
CCAACAAGTACTTCTCCAACATTCCTGGTGCAACTGCCCAAAGAAATTCGGAGGGCAGCACTGTGAAATAGATA
AGTCAAAAACCTGCTATGAGGGGAATGGTCACTTTTACCGAGGAAAGGCCAGCACTGACACCATGGGCCGGCCCT
GCCTGCCCCTGGAACCTCGCCACTGTCCTTCAGCAAACGTACCATGCCACAGATCTGATGCTCTTCAGCTGGGCC
TGGGGAAACATAATTACTGCAGGAACCCAGACAACCGGAGGCGACCCCTGGTGCTATGTGCAGGTGGGCCTAAAGC
TGCTTGTCCTCAAGAGTGCAATGGTGATGACTGCGCAGATGGAAAAAGCCCTCCTCTCCTCCAGAAGAATTAAAT
TTCAGTGTGGCCAAAAGACTCTGAGGCCCCGCTTTAAGATTATTGGGGGAGAATTCACCACCATCGAGAACCAGC
CCTGGTTTGCGGCCATCTACAGGAGGCACCGGGGGGGCTCTGTACCTACGTGTGTGGAGGCAGCCTCATCAGCC
CTTGCTGGGTGATCAGCGCCACACACTGCTTCATTGATTACCCAAAGAAGGAGGACTACATCGTCTACCTGGGTC
GCTCAAGGCTTAACCTCCAACACGCAAGGGGAGATGAAGTTTGAGGTGGAAAACCTCATCTACACAAGGACTACA
GCGCTGACACGCTTGCTCACCACAACGACATTGCCTTGCTGAAGATCCGTTCCAAGGAGGGCAGGTGTGCGCAGC
CATCCCGGACTATACAGACCATCTGCCTGCCCTCGATGTATAACGATCCCCAGTTTGGCACAAGCTGTGAGATCA
CTGGCTTTGGAAAAGAGAATTCTACCGACTATCTCTATCCGGAGCAGCTGAAAATGACTGTTGTGAAGCTGATTT
CCCACCGGGAGTGTACAGCAGCCCCACTACTACGGCTCTGAAGTCACCACCAAAATGCTGTGTGCTGCTGACCCAC
AGTGGAAAACAGATTCTGCCAGGGAGACTCAGGGGGACCCCTCGTCTGTTCCCTCCAAGGCCGATGACTTTGA
CTGGAATTGTGAGCTGGGGCCGTGGATGTGCCCTGAAGGACAAGCCAGGCGTCTACACGAGAGTCTCACACTTCT
TACCCTGGATCCGCAGTACACCAAGGAAGAGAATGGCCTGGCCCTCTTGAGGGTCCCCAGGGAGGAAACGGGCAC
CACCCGCTTTCTTGCTGGTTGTCATTTTTGCAGTAGAGTCATCTCCATCAGCTGTAAGAAGAGACTGGGAAGATA
GGCTCTGCACAGATGGATTTGCCTGTGCCACCCACCAGGGCGAACGACAATAGCTTTACCCTCAGGCATAGGCCT
GGGTGCTGGCTGCCCAGACCCCTCTGGCCAGGATGGAGGGGTGGTCCTGACTCAACATGTTACTGACCAGCAACT
TGTCTTTTTCTGGACTGAAGCCTGCAGGAGTTAAAAAGGGCAGGGCATCTCCTGTGCATGGGTGAAGGGAGAGCC
AGCTCCCCGACGGTGGGCATTTGTGAGGCCCATGGTTGAGAAATGAATAATTTCCCAATTAGGAAGTGTAACAG
CTGAGGTCTCTTGAGGGAGCTTAGCCAATGTGGGAGCAGCGGTTTGGGGAGCAGAGACACTAACGACTTCAGGGC
AGGGCTCTGATATTCCATGAATGTATCAGGAAATATATATGTGTGTGTATGTTTGCACACTTGTGTGTGGGCTGT
GAGTGTAAGTGTGAGTAAGAGCTGGTGTCTGATTGTTAAGTCTAAATATTTTCCTTAAACTGTGTGGACTGTGATG
CCACACAGAGTGGTCTTTCTGGAGAGGTTATAGGTCACTCCTGGGGCCTCTTGGGTCCCCACGTGACAGTGCCT
GGGAATGTATTATTCTGCAGCATGACCTGTGACCAGCACTGTCTCAGTTTCACTTTACATAGATGTCCCTTTCT
TGGCCAGTTATCCCTTCCTTTTAGCCTAGTTCAATCCATCCTCACTGGGTGGGTGAGGACCACTCCTGTACACT
GAATATTTATATTTCACTATTTTTATTTATATTTTGTAAATTTTAAATAAAAGTGATCAATAAAATGTGATTTTT
CTGA

3217/6881
FIGURE 2969

MRALLARLLLCVILVSDSKGSNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKKFGGQHCEIDKSKTCYEGNG
HFYRGKASTDTMGRPCLPWNSATVLQOTYHAHRSDALQLGLGKHNYCRNPDNRRRPWCYVQVGLKLLVQECMVHD
CADGKKPSSPPEELKFQCGQKTLRPRFKIIGGEFTTIENQPWFAAIYRRHRGGSVTYVCGGSLISPCWVISATHC
FIDYPPKEDYIVYLGRSRLNSNTQGEMKFEVENLILHKDYSADTLAHHNDIALLKIRSKEGRCAQPSRTIQTICL
PSMYNDPQFGTSCEITGFGKENSTDYLYPEQLKMTVVKLISHRECQQPHYYGSEVTTKMLCAADPQWKTDSCQGD
SGGPLVCSLQGRMTLTGIVSWGRGCALKDKPGVYTRVSHFLPWIRSHTKENGLAL

3218/6881
FIGURE 2970

GCGGATCATCCGCTTCCGGAGTCGAGGTTTTTCGGGCTTGTACCGCTTGGCGGTGCGGCCTGGTGTGCGGCTTGCAG
GTTCTTTCTGTGTTTGTCTCTGCCCTGCCAAGGCCGTAGAGCTGGTGCCTGCGGGTAGCGGGGCTCTCCGAGGA
GCCGCACGCCGGCGGCACCATGGTCCACCTCACTACTCTCCTCTGCAAGGCCTACCGTGGGGGCCACTTAACCAT
CCGCCTTGCCCTGGGTGGCTGCACCAATCGGCCGTTCTACCGCATTGTGGCTGCTCACAACAAGTGTCCCAGGGA
TGGCCGTTTCGTAGAGCAGCTGGGCTCCTATGATCCATTGCCCAACAGTCATGGAGAAAACTCGTTGCCCTCAA
CCTAGACAGGATCCGTCATTGGATTGGCTGCGGGGCCCCACCTCTCTAAGCCTATGGAAAAGCTTCTGGGTCTTGC
TGGCTTTTTCCCTCTGCATCCTATGATGATCACAAATGCTGAGAGACTGCGAAGGAAACGGGCACGTGAAGTCCT
GTTAGCTTCTCAGAAAACAGATGCAGAAGCTACAGATACAGAGGCTACAGAAACATAAATGAGCTGACTTTAGTG
AGCATAGCAGTGGGAACAAGGTCAAGGTCCTTTTGAAACACTGCAGCGATCTTAATTTTGTTAGATTGGAGTTC
AATAAATGGAGTATCCTG

3219/6881
FIGURE 2971

GCAGCAGGCCAAGGGGGAGGTGCGAGCGTGGACCTGGGACGGGTCTGGGCGGCTCTCGGTGGTTGGCACGGGTTC
GCACACCCATTCAAGCGGCAGGACGCACTTGTCTTAGCAGTTCTCGCTGACCGCGCTAGCTGCGGCTTCTACGCT
CCGGCACTCTGAGTTCATCAGCAAACGCCCTGGCGTCTGTCTCACCATGCCTAGCCTTTGGGACCGCTTCTCGT
CGTCGTCCACCTCCTCTTCGCCCTCGTCCTTGCCCCGAACCCCACCCAGATCGGCCCGCCGCTCAGCCTGGG
GGTCGGCGACCCGGGAGGAGGGGTTTGACCGCTCCACGAGCCTGGAGAGCTCGGACTGCGAGTCCCTGGACAGCA
GCAACAGTGGCTTCGGGCCGGAGGAAGACACGGCTTACCTGGATGGGGTGTCGTTGCCCGACTTCGAGCTGCTCA
GTGACCCTGAGGATGAACACTTGTGTGCCAACCTGATGCAGCTGCTGCAGGAGAGCCTGGCCCAGGCGCGGCTGG
GCTCTCGACGCCCTGCGCGCCTGCTGATGCCTAGCCAGTTGGTAAGCCAGGTGGGCAAAGAACTACTGCGCCTGG
CCTACAGCGAGCCGTGCGGCCCTGCGGGGGGCGCTGCTGGACGTCTGCGTGGAGCAGGGCAAAGAGCTGCCACAGCG
TGGGCCAGCTGGCACTCGACCCAGCCTGGTGCCACCTTCCAGCTGACCCTCGTGCTGCGCCTGGACTCACGAC
TCTGGCCCAAGATCCAGGGGCTGTTTAGCTCCGCCAACTCTCCCTTCTCCCTGGCTTCAGCCAGTCCCTGACGC
TGAGCACTGGCTTCCGAGTCATCAAGAAGAAGCTGTACAGCTCGGAACAGCTGCTCATTGAGGAGTGTTGAACTT
CAACCTGAGGGGGCCGACAGTGGCCTCCAAGACAGAGACGACTGAACTTTTGGGGTGGAGACTAGAGGCAGGAGC
TGAGGGACTGATTCCAGTGGTTGGA^{AA}AACTGAGGCAGCCACCTAAGGTGGAGGTGGGGGAATAGTGTTTCCAGG
AAGCTCATTGAGTTGTGTGCGGGTGGCTGTGCATTGGGGACACATA^{CC}CTCAGTACTGTAGCATGGAACAAAGG
CTTAGGGGCCAACAAGGCTTCCAGCTGGATGTGTGTGTAGCATGTACCTTATTATTTTTGTTACTGACAGTTAAC
AGTGGTGTGACATCCAGAGAGCAGCTGGGCTGCTCCCGCCCCAGCCTGGCCCAGGGTGAAGGAAGAGGCACGTGC
TCTCAGAGCAGCCGGAGGGAGGGGGAGGTGCGAGGTGCTGGAGGTGGTTTGTGTATCTTACTGGTCTGAAGGG
ACCAAGTGTGTTTGTGTTTGTGTTTGTATCTIGTTTTTCTGATCGGAGCATCACTACTGACCTGTTGTAGGCAGC
TATCTTACAGACGCATGAATGTAAGAGTAGGAAGGGGTGGGTGTCAGGGATCACTTGGGATCTTTGACACTTGAA
AAATTACACCTGGCAGCTGCGTTTAAGCCTTCCCCCATCGTGTACTGCAGAGTTGAGCTGGCAGGGGAGGGGCTG
AGAGGGTGGGGGCTGGAACCCCTCCCCGGGAGGAGTGCCATCTGGGTCTTCCATCTAGAACTGTTTACATGAAGA
TAAGATACTCACTGTTTCATGAATACACTTGATGTTCAAGTATTAAGACCTATGCAATATTTTTTACTTTTCTAAT
AAACATGTTTGTATAAACAAAAAAAAAAAAAAAAA

3220/6881
FIGURE 2972

MPSLWDRFSSSSTSSSPSSLPRTPTPDRPPRSAWGSATREEGFDRSTSLESSDCESLDSSNSGFGPEEDTAYLDG
VSLPDFELLSDPEDEHLCANLMQLLQESLAQARLGSRPARLLMPSQLVSQVGKELLRLAYSEPCGLRGALLDVC
VEQGKSCHSVGQLALDPSLVPTFQLTLVLR LDSRLWPKIQGLFSSANSFPLPGFSQSLTLSTGFRVIKKKLYSSE
QLLIEEC

3221/6881
FIGURE 2973

CGCATTGCAGACTGCGGAGTCAGACGGCGCT**ATGT**ACGCCCTCTTCCTCCTGGCCAGCCTCCTGGGCGCGGCTCT
AGCCGGCCCCGGTCCTTGGAAGTGAAGAAATGCACCAGGGGCTCGGCAGTGTGGTGCCAGAATGTGAAGACGGCGTC
CGACTGCGGGGCGAGTGAAGCACTGCCTGCAGACCGTTTGGAAACAAGCCAACAGTGAAATCCCTTCCCTGCGACAT
ATGCAAAGACGTTGTACCGCAGCTGGTGATATGCTGAAGGACAATGCCACTGAGGAGGAGATCCTTGTTTACTT
GGAGAAGACCTGTGACTGGCTTCCGAAACCGAACATGTCTGCTTCATGCAAGGAGATAGTGGACTCCTACCTCCC
TGTCATCCTGGACATCATTAAAGGAGAAATGAGCCGCTCCTGGGGAGGTGTGCTCTGCTCTCAACCTCTGCGAGTC
TCTCCAGAAGCACCTAGCAGAGCTGAATCACCAGAAGCAGCTGGAGTCCAATAAGATCCCAGAGCTGGACATGAC
TGAGGTGGTGGCCCCCTTCATGGCCAACATCCCTCTCCTCCTACCTCAGGACGGCCCCCGCAGCAAGCCCCA
GCCAAAGGATAATGGGGACGTTTGGCAGGACTGCATTGAGATGGTGACTGACATCCAGACTGCTGTACGGACCAA
CTCCACCTTTGTCCAGGCCTTGGTGGAACATGTCAAGGAGGAGTGTGACCGCCTGGGCCCTGGCATGGCCGACAT
ATGCAAGAAGTATATCAGCCAGTATTCTGAAATTGCTATCCAGATGATGATGCACATGCAACCCAAGGAGATCTG
TGCGCTGGTTGGGTTCTGTGATGAGGTGAAAGAGATGCCCATGCAGACTCTGGTCCCGCCAAAGTGGCCTCCAA
GAATGTATCCCTGCCCTGGAAGTGGTGAGCCCATTAAGAAGCACGAGGTCCCAGCAAAGTCTGATGTTTACTG
TGAGGTGTGTGAATTCTGGTGGAAGGAGGTGACCAAGCTGATTGACAACAACAAGACTGAGAAAGAAATACTCGA
CGCTTTTGCAGAAATGTGCTCGAAGCTGCCGAAGTCCCTGTGCGAAGAGTGCCAGGAGGTGGTGACACGTACGG
CAGCTCCATCCTGTCCATCCTGCTGGAGGAGGTGAGCCCTGAGCTGGTGTGCAGCATGCTGCACCTCTGCTCTGG
CACGCGGCTGCCTGCACTGACCGTTCACGTGACTCAGCCAAAGGACGGTGGCTTCTGCGAAGTGTGCAAGAAGCT
GGTGGGTTATTTGGATCGCAACCTGGAGAAAAACAGCACCAAGCAGGAGATCCTGGCTGCTCTTGAGAAAGGCTG
CAGCTTCCTGCCAGACCCCTTACCAGAAGCAGTGTGATCAGTTTGTGGCAGAGTACGAGCCCGTGTGATCGAGAT
CCTGGTGGAGGTGATGGATCCTTCCTTCGTGTGCTTGAAATTGGAGCCTGCCCTCGGCCATAAGCCCTTGTT
GGGAAGTGAAGAAGTGATATGGGGCCCAAGCTACTGGTGCCAGAACACAGAGACAGCAGCCAGTGCAATGCTGT
CGAGCATTGCAAACGCCATGTGTGGAAG**TAG**GAGGAGGAATATCCATCTTGGCAGAAACCACAGCATTGGTTTT
TTTCTACTTGTGTGTCTGGGGGAATGAACGCACAGATCTGTTTGACTTTGTTATAAAAAATAGGGCTCCCCACCT
CCCCATTTCTGTGTCTTTTATTGTAGCATTGCTGTCTGCAAGGGAGCCCCTAGCCCCTGGCAGACATAGCTGCT
TCAGTGCCCCCTTTTCTCTCTGCTAGATGGATGTTGATGCACTGGAGGTCTTTTAGCCTGCCCTTGATGGCGCCT
GCTGGAGGAGGAGAGAGCTCTGCTGGCATGAGCCACAGTTTCTTGACTGGAGGCCATCAACCCTCTTGGTTGAGG
CCTTGTTCTGAGCCCTGACATGTGCTTGGGCACTGGTGGGCTGGGCTTCTGAGGTGGCCTCCTGCCCTGATCAG
GGACCCTCCCCGCTTTTCTGGGCTCTCAGTTGAACAAAGCAGCAAAACAAAGGCAGTTTTATATGAAAGATTAG
AAGCCTGGAATAATCAGGCTTTTTAAATGATGTAATTCCTACTGTAATAGCATAGGGATTTTGAAGCAGCTGCT
GGTGGCTTGGGACATCAGTGGGGCCAAGGGTTCTCTGTCCCTGGTTCAACTGTGATTTGGCTTTCCCGTGTCTTT
CCTGGTGTATGCTTTGTTTGGGGTTCTGTGGGTTTGGGTGGGAAGAGGGCCATCTGCCTGAATGTAACCTGCTAGC
TCTCCGAAGGCCCTGCGGGCTGGCTTGTGTGAGCGTGTGGACAGTGGTGGCCGCGCTGTGCCTGCTCGTGTTC
CTACATGTCCCTGGCTGTTGAGGCGCTGCTTCAGCCTGCACCCCTCCCTTGCTCTCATAGATGCTCCTTTTGACCT
TTTCAAATAAATATGGATGGCGAGCTCCTAGGCCCTCTGGCTTCTGGTAGAGGGCGGCATGCCGAAGGGTCTGCT
GGGTGTGGATTGGATGCTGGGGTGTGGGGTTTGAAGCTGTCTGTGGCCCACTTGGGCACCCACGCTTCTGTCCA
CTTCTGGTTGCCAGGAGACAGCAAGCAAAGCCAGCAGGACATGAAGTTGCTATTAAATGGACTTCGTGATTTTTG
TTTTGCACTAAAGTTTCTGTGATTTAACAATAAAATTCTGTTAGCC

3222/6881
FIGURE 2974

MYALFLLASLLGAALAGPVLGLKECTRGSAVWCQNVKTASDCGAVKHCLQTVWNKPTVKSLPCDICKDVVTAAGD
MLKDNATEEEILVYLEKTCDWLPKPNMSASCKEIVDSYLPVILDIKGENSRPGEVCSALNLCESLQKHLAELNH
QKQLESNKIPELDMTEVVAPFMANIPLLLYPQDGPRSKPQPKDNGDVCQDCIQMVTDIQTAVRTNSTFVQALVEH
VKEECDRLGPGMADICKNYISQYSEIAIQMMMHMQPKEICALVGFCDEVKEMPMQTLVPAKVASKNVIPALELVE
PIKKHEVPAKSDVYCEVCEFLVKEVTKLIDNNKTEKEILDAFDKMCSKLPKSLSEECQEVVDITYGSSILSILLEE
VSPELVCSMLHLCSGTRLPALTVHVTQPKDGGFCEVCKKLVGYLDRNLEKNSTKQEILAALEKGCFLPDYPYQKQ
CDQFVAEYEPVLIEILVEVMDPSFVCLKIGACPSAHKPLLGTCKIWGFSYWCQNTETAAQCNAVEHCKRHVWN

3223/6881
FIGURE 2975

GTGTCTTTCCTGGTGATGCCTTGTTTGGGGTTCTGTGGGTTTGGGTGGGAAGAGGGCCATCTGCCTGAATGTAAC
CTGCTAGCTCTCCGAAGGCCCTGCGGGCCTGGCTTGTGTGAGCGTGTGGACAGTGGTGGCCGCGCTGTGCCTGCT
CGTGTTCCTACATGTCCCTGGCTGTTGAGGCGCTGCTTCAGCGCACCCACGCTTCTGTCCACTTCTGGTTGCCA
GGAGACAGCAAGCAAAGCCAGCAGGACATGAAGTTGCTATTAAATGGACTTCGTGATTTTGTGTTTGCACTAAAG
TTTCTGTGATTTAACAATAAAATTCTGTTAGCCAG

3224/6881
FIGURE 2976

AGACTAAAGACATTAAAGAGATAGCCAAAAAGACACAAGCCCTGCCAAAGATGAACTCAAAGAGGCAGCGAATCG
TGATCTTCACCCAAGGGAGAGATGACACTATAATGGCTACAGAAAGTGAAGTCACTGCTTTTGCTGTCTTGGATC
AAGACCAGAAAGAAATTATTGATACCAATGGAGCTGGAGATGCATTTGTTGGAGGTTTTCTGTCTCAACTGGTCT
CTGACAAGCCTCTGACTGAATGTATCCGTGCTGGCCACTATGCAGCAAGCATCATAATTAGACGGACTGGCTGCA
CCTTTCTGAGAAGCCAGACTTCCACTGATGGAAGAGCTGAAAACACAAGCCCAGGAGTGCAGACACTGCCCTAA
TTGCTTCCTGAGAATTCCCATATTAATAAAGAAGAAAATTATCTGCCATTTTTTCTACTATAATAATGCTGAAT
CTTAATTTAGAGGGTACAAGGGTATGGTAATGCTTGTAGAATCTTTATTATCTCAACAATCTAAAAAATGATGTT
TATTTCCATAGTTTGATAGTGCCACTTAAATGCCAATTAAACAAGAATATAACATTTCAATAGAAATTTTTATTT
CATTTTCAATTACTTTGTAAATTCGTGTGTATTTAGTACACTGATTTGTTTTTTTACATTTCTGCTTTGAATGCA
GATGCAATTTAATATAATAGATTTTTTAATGAATTAATCTTAACATAGTAATCTTTAGCTTTTATACAAATATA
TTTAATTTAGGAGTATATGTGTGTCTATACACACACATACATAAATATACCACATATACACCTGATAGTCAAATA
AGGTACAGAAATTTTATCTTGTCAATTATGCCAAATAATCTCTTTAATGTGCACTCAAACATGTAATAAACTTTG
GATAATT

3225/6881
FIGURE 2977

AGCCTGAACCTCTAGGACTTTTAAATTGATACCAGTGGTCTCCGCTCTGAAACAGTCCACCAGAATGAGGGTACCA
AACTGACCTCAGAGGTTTCCAGGTTTGATGAACTTGTGAAAAAATTCAAAGTCGAATATCATGCTGGTGGCTCTA
CCCAGAATTCAATTAAAGTGGCTCAGAATCTGGAGAGCCTGTCTTGTGTTGCCCGACAGATACCCCTCTTCCAGC
AGATCTCTGCACAGAATTATTTTCAGACCACAGCAAGAAGGGTCAGAGCTGAGAATGGACCACCTGAGGATCTGC
TGTGGGATGGAGCAGGAACCTGCTTAGGTGGTACCAATCTTGACTTCCAGATGGAACAGTACATCTCTATAAGGA
AAAGTGATGGCATCCACATCGTAAATCTGAAGAGGACCTGGGAGAAGCTTCTGCTGGCAGCTTGTGCCATTGTTG
CCATTGAAAACCTGCTGATGTCAGTGTTATATCCTCCAGGAATATTGGCCAAAGGGCTGTGCTGAAGTTTGCTG
CTGCCACTGGAGCCACTCCAATTGTTGGCCACTTCACTCCTGGAACCTTCACTAACCACATCCAGGCAGCCTTCC
AAGAGCCACGGCTTCTTGTGGTTACTGACCCCAGGGCTGACCACCAGCCTCTCACAGAGGCATCTTACGTTAACC
TATCTACCGTTGCTTTGTGTAACACAGATTCTCCTCTGCACTTTGTGGACATTGCCATTCTATGCAACAATAAGG
GAGCTCACTCAATGGGTTTGATGTGGTGGATGCCAGCCCGGAAGGTTTGCGCGCGTGTGGCACCATTTCCTCATG
AACACCCATGGGAATTCATGCCTGATCTCTACAGAGATCCTAAAGAGACTGAAAAAGCAGAGCAGCCTGCTGCTG
AAAAGGCTGTGACCAAGGAGGAATTCAGGGTGAATGGACTGCTCCAGCTCCTGAGTTAACTGCTACTCAGCCTG
AGGTTGCAGACTGGTCTGAAGGTGTGCAGGTGCCCTCTGCGCCTATTCATCAGTTCCTACTGAAGACTGGAGTG
CTGAGCCTGCCACGGAAGGCTGGTCCACAGCTCCCAATGCTCAGGCCATTGAATGGTGGATGATTCAACAGCCAC
ACAAAGCAGCAACATTTTTTGGATGCATTGGGATAGATAAATTTGGGGAGATCCTGAAGAGAAAAGCTGCTGAAG
CCCATGTGGATGCTCATTACTACGAGCAGAATGAGCAGCCAACAGGAACCTTGTGCTGCATGCATCACTGGTGACA
ACAGGTCCCTCATAGCTAATCTTGCTGCTGCCAATTGTTATAAAAAGGAAAAACATCTTGATCTGGAGAAAACT
GGATGTTGGTAGAAAAAGCAAGAGTTTGTATATAGCAGGTGTGATAAAGCATATTACTAGAAAAGCATCAATCG
GTCTTTCAGGTACAATACCAGAGGAACCATCACAGTTTATTTACCTTTCAGAAGCTTTAAAAATAAAGTTACATG
ATGCCTCTGCTCTCCAGATTTCTAATCAAACCCTGGAACAAAAGAGCCAAGCACATTCTATCTGA

3226/6881
FIGURE 2978

CTTTTCCTCCTTGGCTGTCTGAAGATAGATCGCCATCATGAACGACACCGTAACTATCCGCACTAGAAAGTTCAT
GACCAACCGACTACTTCAGAGGAAACAAATGGTCATTGATGTCCTTCACCCCGGGAAGGCGACAGTGCCTAAGAC
AGAAATTCGGGAAAAAAGTAGCCAAAATGTACAAGACCACACCGGATGTCATCTTTGTATTGGATTGAGAACTCA
TTTTGGTGGTGGCAAGACAAGTGGCTTTGGCATGATTTATGATTCCCTGGATTATGCAAAGAAAAATGAACCCAA
ACATAGACTTGCAAGACATGGCCTGTATGAGAAGAAAAAGACCTCAAGAAAGCAACGAAAGGAACGCAAGAACAG
AATGAAGAAAGTCAGGGGGACTGCAAAGGCCAATGTTGGTGCTGGCAAAAAGTGAGCTGGAGATTGGATCACAGC
CGAAGGAGTAAAGGTGCTGCAATGATGTTAGCTGTGGCCACTGTGGATTTTTTCGAAGAACATTAATAAACTAAA
AACTTCATGTGT

3227/6881
FIGURE 2979

MNDTVTIRTRKFMTNRLLRKQMVLDVLHPGKATVPKTEIREKLAQMYKTTDPVIFVFGFRTHFGGGKTTGFGMI
YDSLQYAKKNEPKHRLARHGLYEKKKTSRKQKRNRMKKVRGTAKANVGAGKK

3228/6881
FIGURE 2980

CTTTTCCTCCTTGGCTGTCTGAAGATAGATCGCCATCATGAACGACACCGTAACTATCCGCACTAGAAAGTTCAT
GACCAACCGACTACTTCAGAGGAAACAAATGGTCATTGATGTCCTTCACCCCGGGAAGGCGACAGTGCCTAAGAC
AGAAATTCGGGAAAAACTAGCCAAAATGTACAAGACCACACCGGATGTCATCTTTGTATTTGGATTTCAGAACTCA
TTTTGGTGGTGGCAAGACAACCTGGCTTTGGCATGATTTATGATTCCCTGGATTATGCAAAGAAAAATGAACCCAA
ACATAGACTTGCAAGACATGGCCTGTATGAGAAGAAAAAGACCTCAAGAAAGCAACGAAAGGAACGCAAGAACAG
AATGAAGAAAGTCAGGGGGACTGCAAAGGCCAATGTTGGTGCTGGCAAAAAGCCGAAGGAGTAAAGGTGCTGCAA
TGATGTTAGCTGTGGCCACTGTGGATTTTTCGCAAGAACATTAATAAACTAAAACTTCATGTGT

3229/6881
FIGURE 2981

MNDTVTIRTRKFMTNRLLQRKQMVIDVLHPGKATVPKTEIREKLAKMYKTPDVIFVFGFRTHFGGGKTTGFGMI
YDSL DYAKKNEPKHRLARHGLYEKKKTSRKQRKERKNRMKKVVRGTAKANVGAGKKPKE

3230/6881
FIGURE 2982

GCTGCAGCTGCAGCAGCTGGAGGGCGAAGTGAAGGAGACACCGTTCCGCCCCGGGCCTCGCCATGGCGACCCACG
GACAGACTTGCGCGCGTCCAATGTGTATTCCCTCCATCATATGCTGACCTTGGCAAAGTTGCCAGAGATATTTTCA
ACAAAGGATTTGGTTTTGGGTTGGTGAAACTGGATGTGAAAACAAAGTCTTGCAGTGGCGTGGAATTTTCAACGT
CCGTTTCATCTAATACAGACACTGGTAAAGTTACTGGGACCTTGGAGACCAAATACAAGTGGTGTGAGTATGGTC
TGACTTTCACAGAAAAGTGGAACTGATAACACTCTGGGAACAGAAATCGCAATTGAAGACCAGATTTGTCAAG
GTTTGAACTGACATTTGATACTACCTTCTCACCAAACACAGGAAAGAAAAGTGGTAAATCAAGTCTTCTTACA
AGAGGGAGTGTATAAACCTTGGTTGTGATGTTGACTTTGATTTTGCTGGACCTGCAATCCATGGTTCAGCTGTCT
TTGGTTATGAGGGCTGGCTTGCTGGCTACCAGATGACCTTTGACAGTGCCAAATCAAAGCTGACAAGGAATAACT
TTGCAGTGGGCTACAGGACTGGGGACTTCCAGCTACACACTAATGTCAATGATGGGACAGAATTTGGAGGATCAA
TTTATCAGAAAGTTTGTGAAGATCTTGACACTTCAGTAAACCTTGCTTGGACATCAGGTACCAACTGCACTCGTT
TTGGCATTGCAGCTAAATATCAGTTGGATCCCACTGCTTCCATTTCTGCAAAGTCAACAACCTCTAGCTTAATTG
GAGTAGGCTATACTCAGACTCTGAGGCCTGGTGTGAAGCTTACACTCTCTGCTCTGGTAGATGGGAAGAGCATT
ATGCTGGAGGCCACAAGGTTGGGCTCGCCCTGGAGTTGGAGGCTTAATCCAGCTGAAAGAAACCTTTGGGAATGG
ATATCAGAAGATTTGGCCTTAATATATTTCCATTGTGACCAGCAGCAGGCTTTTTTCCCCAAGAAGATGATCAA
AACAAAGGATGATCTCAACAAGAGCTGTATTTAAGTATTTAGACAGTTCTTTGTTAGCTGGTTTCTAGTTGGTT
ATCTAGTTACCAATGCTGCAGTCCTGCAGTCACCTATACATTATTTAAATGTATTTAACTGTTAAATGCGCTACC
CACCAATAATGAAATAGACCTTTATGAAAACGTGCAATTGTGTGCATGTTTGTGTTTTATGTTCCTTTAGAAAAC
ATTGACTGTTACCATTGAATGAGATGGATCAGTGGATATTAAGATGAGGTTACAAATTTGTGTTAAGTTCAGCCAT
TATTACTTTTGGTATCCGAGAACATGACAAATTATGAATAAAACAAGTATACAT

3231/6881
FIGURE 2983

MATHGQTCARPMCIPPSYADLGKVARDIFNKGFGFGLVKLDVKTCSGVEFSTSGSSNTDTGKVTGTLETXYKW
CEYGLTFTEKWNTDNTLGTEIAIEDQICQGLKLTFDTTFSPNTGKKSGKIKSSYKRECINLGCDVDFDFAGPAIH
GSAVFGYEGWLAGYQMTFDSA KSLTRNNFAVG YRTGDFQLHTNVNDGTEFGGSIYQKVCEDLDTSVNLA WTS GT
NCTRFGIAAKYQLDPTASISAKVNNSSLIGVGYTQTLRPGVKLTLSALVDGKSINAGGHKVGLELELEA

3232/6881
FIGURE 2984A

AGCCTTGTGTCTCTCTGGTGCAGAGCTCGGCCGCTGCTGCTGCTCCGACATCAGAAGAGCCGCCAGAGCGA
TCCCCCTGGGAAACTCCCCATGCAGCCCCCTCTCAGCTCCATGAGCTCCATGAAACCCACTCTGTGCGACAGTGA
TGGGTCGTTCCCTATGACTCTGTCCCTTGGCAGCAGAACACCAACCAGCCTCCCGGCTCCCTTTCCTGTGGTCAC
CACGGTTTGGGGAGTAACCAACACATCCCAGAGCCAGGTCCTTGGGAACCTATGGCCAATGCCAACAACCCCAT
GAATCCAGGCGGCAACCCCATGGCGTCGGGCATGACCACCAGCAACCCAGGCCTCAACTCCCCACAGTTTGC
GCAGCAGCAGCAGTTCTCAGCCAAGGCTGGCCCCGCTCAGCCCTACATCCAGCAGAGCATGTATGGCCGGCCCAA
CTACCCCGGCAGCGGGGGCTTTGGGGCCAGTTACCCTGGGGGTCTTAACGCCCCCGCAGGCATGGGCATCCCTCC
GCACACCAGGCCGCTGCTGACTTCACTCAGCCCGCGGCAGCCGCTGCAGCAGCGGCAGTGGCAGCAGCAGCAGC
CACAGCTACAGCCACAGCCACGGCCACTGTGGCAGCCCTGCAGGAGACACAGAACAAGGATATAAACAGTATGG
ACCGGTCTGTTCCTCTTTCAGATGGGTCCCACCCAGGCGTATAACAGCCAATTTCATGAACCAGCCGGGCGCG
GGGGCCTGCCTCCATGGGGGGCAGCATGAACCCCGCGAGCATGGCGGCTGGCATGACGCCCTCGGGGATGAGCGG
CCCTCCCATGGGCATGAACCAGCCCCGGCGCCCGGCATCAGCCCTTTGGCACACACGGGCAGCGGATGCCCA
GCAGACCTACCCGGGCCCCCGGCCCCAGTCCCTTCTATTAGAACAATAAGAGGCCATACCCTGGAGAGGTGAG
TGCAGCAGTGGGAGCCTGGGAGGTGGGAACTGGGACACCTGGGCTTGAAGACATGGGCCGTGGGTACGGCTTTGG
AAGGGGTGTGGCTTGGACTCCAGCACACTTGGACAAAGAGGCAGGGGCTTAGGGGTGAGGTGCTCCTGGGTTTGA
GACCTGGTTCTGTGTTTCCCAACTGAAAGACCTCGAGCCAGTACCCTGCCTCCTAGGGCTGCTTGAGGGACTT
GAGGAGGTGTCCGTGAAGTGCTTGGCCCTGGGCTGGCATGTGCCGCCACTCAGCAAGCAGCAGTTCTCTTACTG
TAGTGACTCTTGTCTTGGCTCAGCCACTAACTGGGTGACCTGGGTTTAGTTCTCTCTGCCACATGAGAGCTTCC
CCAACCTCTCTCAAGAAAGAGAGCTGAGACAAAATGCTTCCAGTCTATAAGGGCTGACCCGTCCGGGAAGTGAC
TGGAAGGCAGGCAGCGTGTTCAGTCTGTAAAGGATTGACCTGTTGGGGAAGTGACTGGAAGGCAGAGAGCGTGT
TTCCAATCTATAAGGACTGACCCGTGGGGAAGTGACTGGAAGGCCGCGCAGCTGTTTCCAGTCTATAAGGACTGA
CCCGTCAGGGAAGTGACTGGAAGGCAGACAGCGTGTTCCTTAGCTCTTGTTCATCCACACTTGGTCACTGTAT
AGGAAGTGGCACTGCCTCTTGGGCTGCACAGCCAGCTCAGCCAAGGTGTTGGGGAAGATTGGGGAAGTAAACC
CACACCTCTGCCCTCTGGGAAAGTGAGGTTTTAGCAGGAAAGAAAAGTTTTTAGCAGAGACTCACCAGGGAATGA
AGCATAGCAGACTGCACAGAACTCAATATGAGTCAGAGAAGGCAGGCTTCTGGAGGGTGTGTACAAAGTAAATC
CTCAGAAAATGATGCTGGCAGCAGCTGGCCCATCTGGGTACCCAGGTAAGGATTTAGTTTACCTGCAGAAAGCGT
AGGGACGTGGCTCTGCAGATGCCCCCTCGTGAAGCCCTGGTTGCTCCCCACGACCAAGCCCCCTTTTGAGCAGGGT
GTGCCAGCTCTCTGCCTGCCCTCCCAGCTTGATGCCCCTCTCAGAGCAGTTTTCTCCTCTAGCTCCTC
TCAGCTCTGTGGCCTTACCTTGGGTTACAGCGGCTTTAGATTCCAAAGACCTTAAGTTCTTGAAGATCTGCA
CATTTCCCTCAGTATCCACCTTAGGATGGGCGGGGAGGCTTGGCAACAAGTGGAGGTATTCTGAGTTCAGGAGG
GGAGAGAGAGGGGGGGGTCAGGGGCTTCTCATGCATCCAAGAAGCTGGATCAAGCCCCAACCTCCACCTGG
TGGACACTAGTTACAGGAGGGGCCAGAGAAGGACCATTGGCTCCTGGGTCTGAGTTTGGGGGAGCCTCAAGCTA
TTGGCACCTCTCCTGGCACTCAGGCCCCATGCAGTTTCTAGGCCTTTTCTCAGCCACCCTGTGCTCAAAATCCCA
GTGTCCCACTGGCTGTGCTGGGGGTGCATCTGTTAGCCACGCCAAAGGAGGCAATCTCGGATGAGGCTTCAGCA
GAATTCCTGGTCATTGGTGTACCCCTGCACCTGCACCTGTGCCATGCTTATGGCTCTTGCTGCCTAAAGAGAG
CACACCAAGGCTCTCCATATTTTACTAAATTAATCATCCTTTTCATAGAGTGCTGCTGCTACCCAGCTACAGC
ACTGGGTGGTCACAGCCTATGCGGCCTGATCCTGTCTGGAAGACTGGCCTTCCTTCCCCTTGCCATGGCTTGTTT
ATACAATATTTGAATTGTTGGAGCCTTAGGACAGGGGTTGGGTGATCTGGTCCCACAGAGGACTCTCTTCTCTAG
CTTGGTGGGCAGGTAGGCACCAGCTACGTCTTCTATACCTCCTGTGGTGGGTGCCTCACTGTACCCAGAGCAGC
CACCATGTTGCAACAACGTGAGTTGTAGATTCTTCCACACTGACACTTTCTGACATTTATCCCTAAGTCCATCAT
TCGTTTGTGAGCAAGTATTAAGGGTATTTTCCCAGGCACTGGGGCACAGCCACCAACAGGACCTCTGGGCAAGA
GAGACACTCAGATGGGGAAGAAGAAACCACTGACTCACAGGATGTATGTGGCCGTGAGGGTCACTGATTTTCC
AGACAGGGAAGGTGGCTGGAGGGTGGTGCTCTCTCTCTTCTCTAAATTGTCTGTCCCGGGAGAAGTTGTCTTGT
TCCTTACCAACCTGGCTCTCCACCTCCTGCACAGGTGGCAGGTTGTGATGGCCAGAAGTGAACACTAGGTG
TGTGTTCTGCTCTGAGGGGAGTACGAGGACAATGCCACCAAGTTGAGCCTTGAATGCAGGGGCACAGGGGGCT
CCTTTCTGGAATTGCATCCTGTTGACTGTGTTTCTCTGTACATTGGGGTACACATTGGGGAGCACAGCCCTAAC
CCAGGCACCAGGAGAGACACAAAGGTGGGGGAGTTAGAATCAGGCCCTCATAATGGTGTGAGCAAGAGGCTCT
GAAAGTGTCCCTGGAGTTGAGGGGCACATGTGCTCCAGGAAGAACGGCCTCAAGGGGAGGTGGCCTATGATCTGG

3233/6881
FIGURE 2984B

ACAGGCAGAACAAAATGCCCCCTGGATGTCAGGACGAGAAGGGGCCCAAAGCATTATCTGGTTTTGTGGGTGGGAA
ACAGCAGGAGCAAATGAGGAGAGGCGGGCCCCATCCCGTTGTTTCAGGTGACCTGGCTATGTGACGTTGGCAACAT
TGAACGTGTTCCCCCTCTCCTTTCTCTCCCACCACAGCCCAACTATGGAAACCAGCAATATGGACCAAACAGCCAG
TTCCCCACCCAGCCAGGCCAGTACCCAGCCCCCAACCCCCGAGGCCACTCACCTCCCCCAACTACCCAGGACAG
AGGATGCCCAGCCAGCCGAGCTCCGGGCAGTACCCGCCCCCACCAGGTCAACATGGGGCAGTATTACAAGGTGAGT
CCCAGCCTCGCCACCACCCACGGGGCCCCCTTCCCTCCTAACCACCTCACTCCCCTAACTCCACCGGGATCACTCT
GACCCCTGCGTGTGTTTGCCCCAAGGACAGCGAGGGGTGGGTGATTTCTGAACGTCCCCATGTGTTTCAGGGCGAAG
TTCGGTGGCCAGAAATGTCAGAGTGGCTTTTCTCAGTTCCTATTCTCATTCGTCTCGGATGATGGTTTTTTTTTCT
CCTTTTCTTATTCACGGCACTCACAAAATAATAAAGGAAATATATTTTATT

3234/6881

FIGURE 2985

MNSMDRHIQQTNDRLQCIKQHLQNPANFHNAATELLDWCGDPRAFQRPFEQSLMGCLTVVSRVAAQQGFDDLGY
RL LAVCAANRDKFTP KSAALLSSWCEELGRLLLLRHQKSRQSDPPGKLPMQFPLSSMSSMKPTLSHSDGSFPYDS
VPWQQNTNQPPGSLSVVTTVWGVNTNTSQSQVLGNPMANANNPMNPGGNPMASGMTTSNPGLNSPQFAGQQQQFSA
KAGPAQPYIQQSMYGRPNYPGSGGFGASYPGGPNAPAGMGIPPHTRPPADFTQFAAAAAAAAAVAAAAATATATAT
ATVAALQETQNKDINQYGFVCSSFQMGPTQAYNSQFMNQPGPRGPASMGGSMPASMAAGMTPSGMSGPPMGMNQ
PRPPGISPF GTHGQRMPPQQTYPGPRPQSLPIQNIKRYPGEVSAAVGAWEVGTGTPGLEDMGRGYGFGRGVAWTP
AHL DKEAGA

3235/6881
FIGURE 2986

TCTGGGCGCGCGGACGTCAAGTTTGAGTTCTGTGTTCTCCCCGCCCCTGTCCCGCCCGACCCGCGCCCGCGATGC
TGGCGCTGCGCTGCGGCTCCCGCTGGCTCGGCCTGCTCTCCGTCCCGCGCTCCGTGCCGCTGCGCCTCCCCGCGG
CCCGCGCCTGCAGCAAGGGCTCCGGCGACCCGTCTCTTCTCCTCCTCCGGGAACCCGCTCGTGTACCTGGACG
TGGACGCCAACGGGAAGCCGCTCGGCCGCGTGGTGTGAGCTGAAGGCAGATGTCGTCCCAAAGACAGCTGAGA
ACTTCAGAGCCCTGTGCACTGGTGAGAAGGGCTTCGGCTACAAAGGCTCCACCTTCCACAGGGTGATCCCTTCCT
TCATGTGCCAGGCGGGCGACTTCACCAACCACAATGGCACAGGCGGGAAGTCCATCTACGGAAGCCGCTTTCCTG
ACGAGAACTTTACACTGAAGCACGTGGGGCCAGGTGTCTGTCCATGGCTAATGCTGGTCTTAACACCAACGGCT
CCCAGTTCTTCATCTGCACCATAAAGACAGACTGGTTGGATGGCAAGCATGTTGTGTTCCGGTCACGTCAAAGAGG
GCATGGACGTCGTGAAGAAAATAGAATCTTTCGGCTCTAAGAGTGGGAGGACATCCAAGAAGATTGTCATCACAG
ACTGTGGCCAGTTGAGCTAATCTGTGGCCAGGGTGCTGGCATGGTGGCAGCTGCAAATGTCCATGCACCCAGGTG
GCCGCGTTGGGCTGTCAGCCAAGGTGCCTGAAACGATACGTGTGCCCCTCCACTGTCACAGTGTGCCTGAGGAA
GGCTGCTAGGGATGTTAGACCTCGGCCAGGACCCACCACATTGCTTCCTAATACCCACCCCTTCCTCACGACCTCA
TTTCTGGGCATCTTTGTGGACATGATGTACCCACCCCTTGTCAAGCATTGCCTGTGATTGCCAGCCAGCCAGATTC
ATCTGTGCCTTGGACATGGTGATGGTGATGGGTTGCCATCCAAGTAAAAGTCTTTTCCTTGACCAAGGGGGACAG
TCAGTTTGCAAAAGGACTCTAATACCTGTTTAATATTGTCTTCCTAATTGGGATAATTTAATTAACAAGATTGA
CTAGAAGTGAAGTGAACACTAACTTCCCCGTGCTGTGGTGTGACCTGAGTTGGTGACACAGGCCACAGACCCC
AGAGCTTGGCTTTTGAAACACAACCTCAGGGCTTTTGTGAAGGTTCCCCCGCTGAGATCTTTCCTCCTGGTTACTG
TGAAGCCTGTTGGTTTGCTGCTGTCGTTTTTGGAGAGGGCCCATGGGGGTAGGAGCAGTTGAACCTGGGAACAAA
CCTCACTTGAGCTGTGCCTAGACAATGTGAATTCCTGTGTTGCTAACAGAAGTGGCCTGTAAGCTCCTGTGCTCC
GGAGGGAAGCATTTCTGGTAGGCTTTGATTTTTCTGTGTGTTAAAGAAATTCATCTACTCATGATGTGTTATG
CATAAAACATTTCTGGAACATGGATTTGTGTTACCTTAAATGTGAAAATAAATCCTATTTTCTATGGAAAAAA
AAAAAAAAAAAAAAAAAAAA

3236/6881
FIGURE 2987

MLALRCGSRWLGLLSVPRSVPLRLPAARACSKGSGDPSSSSSSGNPLVYLDVDANGKPLGRVVLELKADVVPKTA
ENFRALCTGEKGFYKGSTFHRVIPSFMCQAGFTNHNGTGGKSIYGSRFPDENFTLKHVGPVLSMANAGPNTN
GSQFFICTIKTDWLDGKHVVFGHVKEGMDVVKKIESFGSKSGRTSKKIVITDCGQLS

3237/6881
FIGURE 2988

ATGAGGAGCAGGAGCACACGTCCAGAACC~~AAAG~~CAGAGCGGTGTCCACGCCACTGCAAGCAGCAGGTCCAGATCC
CACATTCCCACAGGAGCCATGGCAAAGGCCTGTGAGCCTGGGGCAGCTCCACCCCAAGAATCAGGGTCCCCAGTG
CACCGGGACTCCGCTCCAAGGAGGAATGCAACCAAGTTCCAGGGGGAACGGCCAGTGTGTTGCACGGTGGATGTGC
TCAAGCTCCCGTTTGTCTCATCAGCGGGAACACAGGGTCACAGAGGCACCGCAGGGTGGAGAGAGGCAGGGACTG
GGAATGAAACCACAACTCTCCCAGATGCTGACGTTGCTGCCTCACAGTCACCACAGTCCATGGCCCTGGGCTGC
TGGACTCATGGTGCACCTCAGAGCTATCACTGGAGCCCGTGGCTTTGGGGAGTGCTCTCCTAGATGGCCTAGTCTT
GATAATGATAGTAATGGGGACAGTAATCTGCAGCCCATCACCTCACAACCGCCCTGCAAGCTCCCCTGAACAGC
GTGACCTCCCGTCCATCCAGCAGCCTCTTTACGTGTGAGCTGCAGGACCAGCTCCAATGCCCGAGGACACTCAC
ATGAGGAAGCACGAAAGCGCTTCGGTGTGAGGACTCTGGGGAAGAGGGCGCCTGGAGCCTGCCAGACGAGGGGGG
CCTGAGTTAGGACCAAGGTCTGCGCCTGAGCGGCCTTCACAGGCCCCACCTCTGTCTCATCTGGACAAAGACGT
TGGAAGCCCCGGCCCCACTCGGGCTGCAGCCATCCTGTTCTGTACCAGAGACCCTGTGAGCCTCACAGGCATCT
CCCAAGCCATGGGTGAGGGATGAGTCTCTCAGCGGCCTGGTGGTCCTCAGCGTGTGTCAGCAACAGGCTTACCTCC
ATTGGAAGCCATCCCCTCAGGCTGGGCACTGACCACCGCCGTCTGGCAGTTTCCGCAATAAGAAAAGCCAAGGGA
GCCTTGAGGCGGGCGAGGTTCCAGCGCGAGGCCGGCCGCCCTCAACCGCTCCCAGCGCCAGTTGCGGCGGTTGAT
GGCAGGGAGACGCGCAGCGCGAGAGCAAAGGGCGGTGACCAACGGCCTTCGCTCTCATGGCGTCTTCTTGGTG
TTACCTAAAAATAAAGCCAAGGGTGATCAGAAGCGAGGGAAGCTGGCCTTCTCGCGGCTTTCCCCGATATCTCT
CTTTATTCCAGCTGCCTGAACTCGGTCCCACGAATGGCAGGCAGCGTCCAAAATTCAACCCCGTAAAGCCAGCA
CCAGCCAATAAAGCGCACGGATGGAGGCCACGTGACAGCAGTGGGCCGGCCCTCCGGCTGAGCCCTGATCTCTAT
GGTTTCCGCGGCTCGCTAGAAGGAGTGTGGTCCACCGGAGGACTCCCTACATTCTTCTCCATTACCTCACTGCC
TCCGGTGGCTGCTGGGATACCGGAGGACTCGGCGCGTCCGGCCCCGCCGAGGCCAGCTTCTCTCGGGAGCCCCC
ACCCAGGCGCATGGCTCCATGAAGCAAGAGGAGGAGGCAGAGCGCGAGAGGTCCCGTCCGCCCCAGCCGCGTCTG
GGCCAGGATAAAAGAGACCCCGCGGTCTTGGGGCGAGGGTCCGGGGGCAGCCAAAACCATATTCTGTCTGTCTGTC
AGTTATGATGCACTGAGAAAACCTCAGAGACCTAACTTTTTCCAGAGAAGAGAAGCTTTACTGGTGTTCAGCC
CTAAGCATTGACTTCACTAATGGATGTGACCTGGTTGGCAGCAGTAGCTTGACACAACATGCTTGTTTGCAAACC
TTTGTTCAAGAAAACGGCAGATGCTCTGTTGAATCCACTGGAGATTGTTCTGATACTAAGGACAAGTATGCTCAT
ATGACATTAACAGACAAGACACTTTTCAGAAAGACAGTTGCTAATGGTAATGATGAAAATAATGTCATCATCAGG
TATTATTTAGCTATTGGAAGAAACCACTCGGTGTGAGTTTCATCAAGGAATCTGTACAGATGTGA

3238/6881
FIGURE 2989

MSRNEINAIQRECKTCNLRILCFRINPPKQGCYLGAWTAGLYYRKLGVIVADALVSQRHGHGGSNEGALSGPRKH
PGALRRARFOREAGRPQPLPAPVAAVDGRETRSARAKGGDPTAFALMASFLVLEPKNKAKGDQKRGTlafSRLSPD
ISLYSSCLKLGPtNGRQRPKFNPVKPAPANKAHGWRPRDSSGPALRLSPDLYGFRGSLEGVWSTGGLPTFFLHYL
TASGGCWDtGGLGASGPPAGQLLSGAPTQAHGSMKQEEEAERERSRPPQPRLGQDKRDPaVLGRGSGGSQNHIPa
AVSYDALRKLQREPKLFPEKRSFTGVPALSIDFTNGCDLVGSSSLHNMLVCKTFVQENGRCSVESTGDCSDTKDKY
AHMTLTDKTLFRKTVANGNDENNVIIRYYLAIGRNHSVSSSSRNLSQM

3239/6881
FIGURE 2990

GCTGCTGCGCCCGCGGGCTCCCCAGTGCCCCGAGTGCCCCGCGGGCCCCGCGAGCGGGAGTGGGACCCAGCCCTAG
GCAGAACCCAGGCGCCGCGCCCGGGACGCCCCGCGGAGAGAGCCACTCCCGCCCACGTCCCATTTGCCCCCTCGCG
TCCGGAGTCCCCGTGGCCAGATCTAACCATGAGCTACCCTGGCTATCCCCGCCCCCAGGTGGCTACCCACCAGC
TGCACCAGGTGGTGGTCCCTGGGGAGGTGCTGCCTACCCTCCTCCGCCCAGCATGCCCCCATCGGGCTGGATAA
CGTGGCCACCTATGCGGGGAGTTCAACCAGGACTATCTCTCGGGAATGGCGGCCAACATGTCTGGGACATTTGG
AGGAGCCAACATGCCAACCTGTACCCTGGGGCCCCCTGGGGCTGGCTACCCACCAGTGCCCCCTGGCGGCTTTGG
GCAGCCCCCTCTGCCCAGCAGCCTGTTCTCCCTATGGGATGTATCCACCCCCAGGAGGAAACCCACCCTCCAG
GATGCCCTCATATCCGCCATACCCAGGGGCCCCCTGTGCCGGGCCAGCCCATGCCACCCCCCGGACAGCAGCCCCC
AGGGGCCCTACCCTGGGCAGCCACCAGTGACCTACCCTGGTCAGCCTCCAGTGCCACTCCCTGGGCAGCAGCAGCC
AGTGCCGAGCTACCCAGGATACCCGGGGTCTGGGACTGTACCCCCGCTGTGCCCCCAACCCAGTTTGAAGCCG
AGGCACCATCACTGATGCTCCCGGCTTTGACCCCCCTGCGAGATGCCGAGGTCTGCGGAAGGCCATGAAAGGCTT
CGGGACGGATGAGCAGGCCATCATTGACTGCCTGGGGAGTCGCTCCAACAAGCAGCGGCAGCAGATCCTACTTTC
CTTCAAGACGGCTTACGGCAAGGATTTGATCAAAGATCTGAAATCTGAACTGTCAGGAAACTTTGAGAAGACAAT
CTTGGCTCTGATGAAGACCCCAAGTCTCTTTGACATTTATGAGATAAAGGAAGCCATCAAGGGGGTTGGCACTGA
TGAAGCCTGCCTGATTGAGATCCTCGCTTCCCGCAGCAATGAGCACATCCGAGAATTAAACAGAGCCTACAAAGC
AGAATTCAAAAAGACCCTGGAAGAGGCCATTGAAGCGACACATCAGGGCACTTCCAGCGGCTCCTCATCTCTCT
CTCTCAGGGAAACCGTGATGAAAGCACAAACGTGGACATGTCACTCGCCCAGAGAGATGCCCAGGAGCTGTATGC
GGCCGGGGAGAACCGCTGGGAACAGACGAGTCCAAGTTCAATGCGGTTCTGTGCTCCCGGAGCCGGGCCACCT
GGTAGCAGTTTTCAATGAGTACCAGAGAATGACAGGCCGGGACATTGAGAAGAGCATCTGCCGGGAGATGTCCGG
GGACCTGGAGGAGGGCATGCTGGCCGTGGTGAAATGTCTCAAGAATACCCAGCCTTCTTTGCGGAGAGGCTCAA
CAAGGCCATGAGGGGGGCAGGAACAAAGGACCGGACCCTGATTGCGATCATGGTGTCTCGCAGCGAGACCGACCT
CCTGGACATCAGATCAGAGTATAAGCGGATGTACGGCAAGTCGCTGTACCACGACATCTCGGGAGATACTTCAGG
GGATTACCGGAAGATTCTGCTGAAGATCTGTGGTGGCAATGACTGAACAGTGACTGGTGGCTCACTTCTGCCAC
CTGCCGGCAACACCAGTGCCAGGAAAAGGCCAAAAGAATGTCTGTTTCTAACAAATCCACAAATAGCCCCGAGAT
TCACCGTCTAGAGCTTAGGCCTGTCTTCCACCCCTCCTGACCCGTATAGTGTGCCACAGGACCTGGGTCCGTCT
AGAACTCTCTCAGGATGCCTTTTCTACCCCATCCCTCACAGCCTCTTGCTGCTAAAATAGATGTTTCATTTTCT
GAAAAAA

3240/6881
FIGURE 2991

MSYPGYPPPPGGYPPAAPGGGPWGGAAYPPPPSMPPIGLDNVATYAGQFNQDYLSGMAANMSGTFGGANMPNLYP
GAPGAGYPPVPPGGFGQPPSAQQPVPPYGYPPPPGGNPPSRMPSPYPPYFGAPVPGQPMPPPGQQPPGAYPGQPPV
TYPGQPPVPLPGQQQPVPSYPGYPGSGTVTPAVPPTQFGSRGTITDAPGFDPLRDAEVLRKAMKGFGTDEQAIID
CLGSRSNKQRQQIILLSFKTAYGKDLIKDLKSELSGNFECTILALMKTPVLFDIYEIKEAIKGVGTDEACLIEILA
SRSNEHIRELNRAYKAEFKKTLEEAIKSDTSGHFQRLISLSQGNRDESTNVDMSLAQRDAQELYAAGENRLGTD
ESKFNAVLCSRSRAHLVAVFNEYQRM TGRDIEKSICREMSGDLEEGMLAVVKCLKNTPAFFAERLNKAMRGAGTK
DRTLIRIMVSRSETDLLDIRSEYKRMYGKSLYHDISGDTSGDYRKILLKICGGND

3241/6881
FIGURE 2992

GGTAGAGGCGGCGGCGGCGGCGGCGGCGGCGGCTCGGAGGCAGCGGTTGGGCTCGCGGCGAGCGGACGGGGTTCGAGT
CAGTGCCGTTTGCGCCAGTTGGAATCGAAGCCTCTTAAATATGGCAGATGATTTGGACTTCGAGACAGGAGATGCA
GGGGCCTCAGCCACCTTCCCAATGCAGTGCTCAGCATTACGTAAGAATGGCTTTGTGGTGCTCAAAGGCTGGCCA
TGTAAGATCGTGGAGATGTCTGCTTCGAAGACTGGCAAGCACGGCCACGCCAAGGTCCATCTGGTTGGTATTGAC
ATCTTTACTGGGAAGAAATATGAAGATATCTGCCCCGTCAACTCATAATATGGATGTCCCCAACATCAGAAGGAAT
GACTTCCAGCTGATTGGCATCCAGGATGGGTACCTATCACTGCTCCAGGACAGCGGGGAGGTACCAGAGGACCTT
CGTCTCCCTGAGGGAGACCTTGGCAAGGAGACTGAGCAGAAGTACGACTGTGGAGAAGAGATCCTGATCACGGTG
CTGTCTGCCATGACAGAGGAGGCAGCTGTTGCAATCAAGGCCATGGCAAAATTAAGTGGCTCCCAAGGTGGCAGTG
GTGGCAGCAGTGATCCTCCGAACCTGCAGAGGCCCCCTCCCCAGCCTGGCCTGGCTCTGGCCTGGTCTTAGGCT
GGACTCCTCCTACACAATTTATTTGACGTTTTATTTTGGTTTTTCCCCACCCCTCAATCTGTCAGGGAGCCCTG
CCCTTCACCTAGCTCCCTTGGCCAGGAGCGAGCAAAGCCGTGGCCTTGGTGAAGCTGCCCTCCTCTTCTCCCTC
ACACTACAGCCCTGGTGGGGGAGAAGGGGGTGGGTGCTGCTTGTGGTTTAGTTTTTTTTTTTTTTTTTTTAAAT
TCAATCTGGAATCAGAAAGCAGTGGATTCTGGCAAATGGTCCTTGTGCCCTCCCCACTCATCCTGGTCTGGTCC
CCTGTTGCCCATAGCCCTTTACCCTGAGCACCACCAACAGACTGGGGACCAGCCCCCTCGCCTGCCTGTGTCTC
TCCCCAAACCCCTTTAGATGGGGAGGGAAGAGGAGGAGAGGGGAGGGGACCTGCCCCCTCCTCAGGCATCTGGGA
AGGCCCTGCCCCCATGGGCTTTACCCTTCCCTGAGGGCTCTCTCCCCGACACATTTGTTAAATCAAACCTGAAT
AAACTACAAGTTTAATATG

3242/6881
FIGURE 2993

MADDLDFETGDAGASATFPMQCSALRKNGFVVLKGWPCKIVEMSASKTGKHGHAKVHLVGIDIFTGKKYEDICPS
THNMDVPNIRRNDFQLIGIQDGYLSLLQDSGEVPEDLRLPEGDLGKETEQKYDCGEEILITVLSAMTEEA AVAIK
AMAK

3243/6881
FIGURE 2994

GTCAGTGCCGTTTGCGCCAGTTGGAATCGAAGCCTCTTAAAATGCCAGATGATTTGGACTTCGAGACAGGAGATG
CAGGGGCCTCAGCCACCTTCCCAATGCAGTGCTCAGCATTACGTAAGAATGGCTTTGTGGTGCTCAAAGGCTGGC
CATGTAAGATCGTGGAGATGTCTGCTTCGAAGACTGGCAAGCACGGCCACGCCAAGGTCCATCTGGTTGGTATTG
ACATCTTTACTGGGAAGAAATATGAAGATATCTGCCCCGTCAACTCATAATATGGATGTCCCCAACATCAGAAGGA
ATGACTTCCAGCTGATTGGCATCCAGGATGGGTACCTATCACTGCTCCAGGACAGCGGGGAGGTACCAGAGGACC
TTCGTCTCCCTGAGGGAGACCTTGGCAAGGAGACTGAGCAGAAGTACGACTGTGGAGAAGAGATCCTGATCACGG
TGCTGTCTGCCATGACAGAGGAGGCAGCTGTTGCAATCAAGGCCATGGCAAAATAACTGGCTCCCAAGGTGGCAG
TGGTGGCAGCAGTGATCCTCTGGCCTGGTCCTAGGCTGGACTCCTCCTACACAATTTATTTGACGTTTTATTTTG
GTTTTCCCCACCCCCTCAATCTGTCAGGGAGCCCCCTGCCCTTACCTAGCTCCCTTGGCCAGGAGCGAGCAAAGC
CGTGGCCTTGGTGAAG

3244/6881
FIGURE 2995

MADDLDFETGDAGASATFFPMQCSALRKNGFVVLKGWPCKIVEMSASKTGKHGHAKVHLVGIDIFTGKKYEDICPS
THNMDVPNIRRND FQLIGIQDGYLSLLQDSGEVPEDLRLPEGDLGKETEQKYDCGEEILITVLSAMTEEA A VAIK
AMAK

3245/6881
FIGURE 2996

GGCACGAGGAGGTGTGGACGCTGTGTATGAAATGTCTTTCTCCAGGACCCAAGTTTCTTCACCATGGGG**ATGTG**
GTCCATTGGTGCAGGAGCCCTGGGGGCTGCTGCCTTGGCATTGCTGCTTGCCAACACAGACGTGTTTCTGTCCAA
GCCCCAGAAAGCGGCCCTGGAGTACCTGGAGGATATAGACCTGAAAACACTGGAGAAGGAACCAAGGACTTTCAA
AGCAAAGGAGCTATGGGAAAAAAATGGAGCTGTGATTATGGCCGTGCGGAGGCCAGGCTGTTTCTCTGTCTGAGA
GGAAGCTGCGGATCTGTCTCCCTGAAAAGCATGTTGGACCAGCTGGGCGTCCCCCTCTATGCAGTGGTAAAGGA
GCACATCAGGACTGAAGTGAAGGATTTCCAGCCTTATTTCAAAGGAGAAATCTTCCTGGATGAAAAGAAAAAGTT
CTATGGTCCACAAAGGCGGAAGATGATGTTTATGGGATTTATCCGTCTGGGAGTGTGGTACAACCTTCTTCCGAGC
CTGGAACGGAGGCTTCTCTGGAAACCTGGAAGGAGAAGGCTTCATCCTTGGGGGAGTTTTTCGTGGTGGGATCAGG
AAAGCAGGGCATTCTTCTTGAGCACCGAGAAAAAGAATTTGGAGACAAAGTAAACCTACTTTCTGTTCTGGAAGC
TGCTAAGATGATCAAACCACAGACTTTGGCCTCAGAGAAAAA**TGATT**GTGTGAAACTGCCCAGCTCAGGGATAA
CCAGGGACATTCACCTGTGTTTCATGGGATGTATTGTTTCCACTCGTGTCCCTAAGGAGTGAGAAACCCATTTATA
CTCTACTCTCAGTATGGATTATTAATGTATTTTAATATTCTGTTTAGGCCCACTAAGGCAAAATAGCCCCAAAC
AAGACTGACAAAAATCTGAAAACTAATGAGGATTATTAAGCTAAACCTGGGAAATAGGAGGCTTAAATTGAC
TGCCAGGCTGGGTGCAGTGGCTCACACCTGTAATCCCAGCACTTTGGGAGGCCAAGGTGAGCAAGTCACTTGAGG
TCGGGAGTTCGAGACCAGCCTGAGCAACATGGCGAAACCCCGTCTCTACTAAAAATACAAAAATCACCCGGGTGT
GGTGGCAGGCACCTGTAGTCCCAGCTACCCGGGAGGCTGAGGCAGGAGAATCACTTGAACCTGGGAGGTGGAGGT
TGCGGTGAGCTGAGATCACACCACTGTATTCCAGCCTGGGTGACTGAGACTCTAACTAAAAAAAAAAAAAAAAAA
AAA

3246/6881
FIGURE 2997

MWSIGAGALGAAALALLANTDVFLSKPQKALEYLEDIDLKTLEKEPRTFKAKELWEKNGAVIMAVRRPGCFLC
REEAADLSSLKSMLDQLGVPLYAVVKEHIRTEVKDFQPYFKGEIFLDEKKKFYGPQRRKMMFMGFIRLGWYNFF
RAWNGGFSGNLEGEGLILGGVFVVGSGKQGILLEHREKEFGDKVNLLSVLEAAKMIKPQTLASEKK

3247/6881
FIGURE 2998

GTGATGCAGTGCGCCGGAGGAACTGTGCTCTTTGAGGCCGACGCTAGGGGCCCCGGAAGGGAACTGCGAGGCGAA
GGTGACCGGGGACCGAGCATTTTCAGATCTGCTCGGTAGACCTGGTGCACCACCACCATGTTGGCTGCAAGGCTGG
TGTGTCTCCGGACACTACCTTCTAGGGTTTTCCACCCAGCTTTTACCAAGGCCTCCCCTGTTGTGAAGAATTCCA
TCACGAAGAATCAATGGCTGTTAACACCTAGCAGGGAATATGCCACCAAAACAAGAATTGGGATCCGGCGTGGA
GAACTGGCCAAGAACTCAAAGAGGCAGCATTGGAACCATCGATGGAAAAAATATTTAAAATTGATCAGATGGGAA
GATGGTTTTGTTGCTGGAGGGGCTGCTGTTGGTCTTGGAGCATTGTGCTACTATGGCTTGGGACTGTCTAATGAGA
TTGGAGCTATTGAAAAGGCTGTAATTTGGCCTCAGTATGTCAAGGATAGAATTCATTCCACCTATATGTACTTAG
CAGGGAGTATTGGTTTAAACAGCTTTGTCTGCCATAGCAATCAGCAGAACGCCTGTTCTCATGAACTTCATGATGA
GAGGCTCTTTGGGTGACAATTGGTGTGACCTTTGCAGCCATGGTTGGAGCTGGAATGCTGGTACGATCAATACCAT
ATGACCAGAGCCCAGGCCCAAAGCATCTTGCTTGGTTGCTACATTCTGGTGTGATGGGTGCAGTGGTGGCTCCTC
TGACAATATTAGGGGGTCTCTTCTCATCAGAGCTGCATGGTACACAGCTGGCATTGTGGGAGGCCTCTCCACTG
TGGCCATGTGTGCGCCAGTGAAAAGTTTTCTGAACATGGGTGCACCCCTGGGAGTGGGCCTGGGTCTCGTCTTTG
TGTCTCATTTGGGATCTATGTTTTCTTCCACCTACCACCGTGGCTGGTGCCACTCTTTACTCAGTGGCAATGTACG
GTGGATTAGTTCTTTTTCAGCATGTTCTTCTGTATGATACCCAGAAAGTAATCAAGCGTGCAGAAGTATCACCAA
TGATGGAGTTCAAAAATATGATCCATTAACTCGATGCTGAGTATCTACATGGATACATTAAATATATTTATGC
GAGTTGCAACTATGCTGGCAACTGGAGGCAACAGAAAGAAATGAAGTGAATCAGCTTCTGGCTTCTCTGCTACAT
CAAAATCTTGTTTAAATGGGGCAGATATGCATTAAATAGTTTGTACAAGCAGCTTTCGTTGAAGTTTAGAAGATA
AGAAACATGTCATCATATTTAAATGTTCCGGTAATGTGATGCCTCAGGTCTGCCTTTTTTTTCTGGAGAATAAATG
CAGTAATCCTCTCCCAAATAAGCACACACATTTTCAATTCTCATGTTTGAGTGATTTTAAATGTTTTGGTGAAT
GTGAAAACATAAGTTTGTGTCATGAGAATGTAAGTCTTTTTTCTACTTTAAAATTTAGTAGGTTCACTGAGTAAC
TAAAATTTAGCAAACCTGTGTTTGCATATTTTTTTGGAGTGCAGAATATTGTAATTAATGTCATAAGTGATTGG
AGCTTTGGTAAAGGGACCAGAGAGAAGGAGTCACCTGCAGTCTTTTGTTTTTTTAAATACTTAGAAGTTAGCACT
TGTGTTATTGATTAGTGAGGAGCCAGTAAGAAACATCTGGGTATTGGAAACAAGTGGTCATTGTTACATTCATC
TGCTGAACTTAACAAAACCTGTTTCATCTGAAACAGGCACAGGTGATGTCATTCTCCTGCTGTTGCTTCTCAGTGCT
CTCTTTCCAATATAGATGTGGTCATGTTTGACTTGTACAGAATGTTAATCATAACAGAGAATCCTTGATGGAATTA
TATATGTGTGTTTTACTTTTGAATGTTACAAAAGGAAATAACTTTAAAACATTCTCAAGAGAAAATATTCAAAG
CATGAAATATGTTGCTTTTTTCCAGAATACAAACAGTATACTCATGATTGCTAAGTGTTTTTTTATTTTTGCATAT
TTATTGAACTGTCTAATTGAATACAGCTTGCTCTTGTACCTCTTCAAGCTTTCAAGCCTTTATAGAAAAGCTTC
TTTGTGGCTTACACTGGAATTTATGAAAGCAGTTTTTCTCCTAAGACTTTTGGTTTTCTCGCATTGCCTCTCAGAC
TAAGCACTAAAAAGCAAAGCAAACAGAACTAGTTCTGTCTTAATGAAATATATCAACCCAAAAGTGTAATGAGG
AAAATGCTTCATTAGTTTTCCCTAGCAGACTTTTACTTCTCTTACACTGCTACACCATTACTTTCTTGAGACATT
TGTAAGTTCTTTGATACAGAAGAGTTATATTTAGAAGTCTTTAATGAAGGG

3248/6881
FIGURE 2999

CAGGACCCAAGGAACCAAAATTGCATCTGATGGTCGTGTGTTTGAAGTGAGTCTTGCTGATTGCAGAATGATGA
AGTTGCATTTAGAAAATTCAAGCTGATTACTGAAGATGTTTCAGGGTAAAACTGCCTGACTAACTTCCATGGCGT
GGATCTTACCAGTGACAAAATGTGTTCCATGGTCAAAAAATGGCAGACAATGATTGAAGCTCACGTTGATGTCAA
GACTACCGATGGTTACTTGCTTCGTCTGTTCTGTGTTGGTTTTACTAAAAACGCAACAATCAGATACGGAAGAC
CTCTTATGCTCAGTACCAGCCAAATCCGGAAGAAGATGATGAAAATCATGACCCGAGAGGTGCAGACAAATGACT
TGAAAGAAGTGGTCAATAAATTGATTCCAGACAGCATTGGAAAAGACGTAGAAAAGGCTTGCCAATCTATTTATC
CTCTCCATGATGTCTTCGTTAGAAAAGTAAAAATGCTGAAGAAGCCCAAGTTTGAATTGGGAAAGCTCATGGAGC
TTCATGGTGAAGGCTGTAGTTCTGGAAGCCACTGGGGACGAGACAGGTGTTAAAGTTGAACGAGCTGATGGAT
ATGAACTACCAGTCCAAGAATCTGTTTAAATTTCAGACTTCAAATAGTGTCAAATAAAAAAGTGCTATT

3249/6881
FIGURE 3000

CTGACCAGCACCATGGTGGTTGACAAGAACAAGCGCCTTACGAAAGGTGGCAAAAAGGGAGCCAAGAAGAAAGTG
GTTGATCCATTTTCTAAGAAAGATTGGTACGATGTGAACGCACCTGCTATGTTCAATATAAGAAATATTGGAAAG
ACGCTCGTCACCAGGACCCAAGGAACCAAAATTGCATCTGATGGTCGTGTGTTGAAGTGAGTCTTGCTGATTG
CAGAATGATGAAGTTGCATTTAGAAAATTCAAGCTGATTACTGAAGATGTTTCAGGGTAAAACTGCCTGACTAAC
TTCCATGGCGTGGATCTTACCAGTGACAAAATGTGTTCCATGGTCAAAAAATGGCAGACAATGATTGAAGCTCAC
GTTGATGTCAAGACTACCGATGGTTACTTGCTTCGTCTGTTCTGTGTTGGTTTTACTAAAAACGCAACAATCAG
ATACGGAAGACCTCTTATGCTCAGCACCAGCAGGTCCGCCAAATCCGGAAGAAGATGATGGAAATCATGACCCGA
GAGGTGCAGACAAATGACTTGAAAGAAGTGGTCAATAAATTGATTCCAGACAGCATTGGAAAAGACGTAGAAAAG
GCTTGCCAATCTATTTATCCTCTCCATGATGTCTTCGTTAGAAAAGTAAAAATGCTGAAGAAGCCCAAGTTTGAA
TTGGGAAAGCTCATGGAGCTTCATGGTGAAGGCTGTAGTTCTGGAAAAGCCACTGGGGACGAGACAGGTGTTAA
GTTGAACGAGCTGATGGATATGAACCTACCAGTCCAAGAATCTGTTTAAAATTCAGACTTCAAATAGTGTCAAATA
AAAAGTGCTATT

3250/6881
FIGURE 3001

MVVDKNKRLTKGGKKGAKKKVDPFSKKDWYDVNAPAMFNIRNIGKTLVTRTQGTKIASDGRVFEVSLADLQND
VAFRKFKLITEDVQGKNCLTNFHGVDLTSDKMCSMVKKWQTMIEAHVDVKTTDGYLLRLFCVGF TKRNNQIRKT
SYAQHQQVRQIRKKMMEIMTREVQTNDLKEVVNKLIPDSIGKDVEKACQSIYPLHDV FVRKV KMLKKPKFELGKL
MELHGECCSSGKATGDETGVKVERADGYELPVQESV

3251/6881
FIGURE 3002

GGGAGAGTGAGG**ATGG**CAGAGACCAGTGCCTTGCCCACCGGCTTCGGGGAGCTCGAGGTGCTGGCTGTGGGGATG
GTGCTACTGGTGGAAGCTCTCTCCGGTCTCAGCCTCAATACCCTGACCATCTTCTCTTTCTGCAAGACCCCGGAG
CTGCGGACTCCCTGCCACCTACTGGTGCTGAGCTTGGCTCTTGCGGACAGTGGGATCAGCCTGAATGCCCTCGTT
GCAGCCACATCCAGCCTTCTCCGTGTCTCCACAGGCGCTGGCCCTACGGCTCGGACGGCTGCCAGGCTCACGGC
TTCCAGGGCTTTGTGACAGCGTTGGCCAGCATCTGCAGCAGTGCAGCCATCGCATGGGGGCGTTATCACCCTAC
TGCACCCGTAGCCAGCTGGCCTGGAATCAGCCGTCTCTCTGGTGCTCTTCGTGTGGCTGTCTTCTGCCTTCTGG
GCAGCTCTGCCCCCTTCTGGGTTGGGGTCACTATGACTATGAGCCACTGGGGACATGCTGCACCCTGGACTACTCC
AAGGGGGACAGAACTTACCAGCTTCCCTCTTACCCTATGCTCTTCTTCACTTCGCCATGCCCCCTCTTCATCACG
ATCACTTCCCTACAGTCTCATGGAGCAGAACTGGGGGAAGAGTGGCCATCTCCAGGTAAACACCCTCTGCCAGCA
AGGACGCTGCTGCTCGGCTGGGGCCCCCTATGCCATCCTGTATCTATACGCAGTCATCGCAGACGTGACTTCCATC
TCCCCAAACTGCAGATGGTGCCCGCCCTCATTGCCAAAATGGTGCCACGATCAATGCCATCAACTATGCCCTG
GGCAATGAGATGGTCTGCAGGGGAATCTGGCAGTGCCCTCACCGCAGAAGAGGGAGAAGGACCGAACCAAG**TGA**

GCCTGCCACCCTGGAGTGAGCCCCAGGCCAGGAGGCTGTTCCAGGAGTCTGCCCAGCAGCCTCGGTGGCCAAGC
CCAGACACTCACCCACCTTCCCCAGTGGCCCCGTGGATCCTGGTCTTAGGCTGGACACAGGATTCCAGAAAGACAC
CAGGCTGCACAGAAAGAGCCAGATGGACCTGAGTGTGGTCACAGCCCCCTACACTCAAGGCTGAGAGGCCTCAG
GAAAGTCATTCTTTTTTAAAAATAATAATAAATGTAAGGGGGTACAGTGCAGTTTTGTTACATGGATAGATTGCC
TAGTGGTGAAGTCTGGGCTTTTAGTGTAACCATCACCTAATAATATACGTTGTACCCATTAAGTTATTTCTCAT
CCCTCACCCCTCCCACCTTGTACCCCTTCTGAGTCTCCAATGTCTATTATTCCACACTCCATGTCCACGTGTAC
ACATTATTTAGCTCCCACTTACAAGTGAGAACATGTGGTATTTGACTTTCTGTTTTTGAGTTATTTCACTTAAAA
TAATGACCTCCAGTTTCATCCATGTTGCTGCAAAAGACATGATCTCGTTCTTTTTTATGGCAGTGTAGTATTCCA
TTCCATATACATATATAAACGTTATATATATGTAACGTTTTCTTTATCCAATCATCTGTTGATGGATAGATTCCA
TATCTTTGCTACTGTAAACAGAGCTGTGATAAGCATAACAAGTGCAGGTTTCTTTTTGATATACTGATTTCTTTTC
CTTTGGGTAGATACCAGTAGTAGGACTGCTGGATCAAATGGTAGCTCTATTTTTAAGACAGTATGGAGAAATCAC
CATACTGTTTTCCATAGGGGTTGTACTAATTTACAGTCCCACCAACAGTGTATAGGTGTTCCCTTTTCTCTGCAT
CCTTACCAATATCTGTAATTTTTTGACTTTTTAATAATAGCCATTCTCATTGTGTGAGATAAGGTCTCATTGTG
GTTTTAATTTCCATTTCTCTGATGACTTTTGATGTTAAGCATTTTTTCATATGCTTCTTAGCCACGTGTATGTAT
TCTTTTTGAAAAAATGTTTATTCATGTCTTTTGCCCACTTTTTAATGGCATTATTTGGATTTTTTTTGTGAGTT
ATTTGAGTTTCTTATATATCTGGATAATAGTCTGGATAATATATTCTGGATAATATATAATAGTCTTATATATT
CTGGATAATTTCTGGATAACATGGTTTGCAAATATTTTCTCCGGTTCTGCACGTTGTTTCACTTCTGTTGATGGTTTA
TTTTGCTGTGCAGAACTTTTTTAGTTTAATTAAGTCCCATTTGTCTAAAAAAAAAAAAAAAAA

3252/6881
FIGURE 3003

MAETSALPTGFGELEVLAVGMVLLVEALSGLSLNTLTIFSFCKTPELRTPCHLLVLSLALADSGISLNALVAATS
SLLRVSHRRWPYGS DGCQAHGFQGFVTALASICSSAAIAWGRYHHYCTRSQLAWNSAVSLVLFVWLSSAFWAALP
LLGWGHYDYEPLGTCCTLDYSKGDRNFTSFLFTMSFFNFAMPLFITITSYSLMEQKLKSGHLQVNTTLPARTLL
LGWGPYAILYLYAVIADVTSISPKLQMPALIAKMVPTINAINYALGNEMVCRGIWQCLSPQKREKDRTK

3253/6881
FIGURE 3004

GGGCAACCCGCGCGGGACCCTTCCTCCCTAGTCGCGGGGAGTCTGAGAAAAGCGCGCCTGTTTCGCGACCATCACG
CACCTCCCCTCCGCTTGTGGCCATGTACCGCTACCTGGGCGAAGCGCTGTTGCTGTCCCAGGCGGGCCCGCTGC
CCTGGGCTCGGCGTCCGCCGACTCGGCCGCGTTGCTGGGCTGGGCCCCGGGACAGCCCGCCGCCCGCCCGCAGCC
GGGGCTGGCATTGGCCGCCCGGCGCCACTACAGCGAGGCGGTGGCCGACCGCGAGGACGACCCCACTTCTTCAA
GATGGTGGAGGGCTTCTTCGATCGCGGCGCCAGCATCGTGGAGGACAAGCTGGTGGAGGACCTGAGGACCCGGGA
GAGCGAGGAGCAGAAGCGGAACCGGGTGC GCGGCATCCTGCGGATCATCAAGCCCTGCAACCATGTGCTGAGTCT
CTCCTTCCCCATCCGGCGCGACGACGGCTCCTGGGAGGTATCGAAGGCTACCGGGCCAGCACAGCCAGCACC
CACGCCCTGCAAGGGAGGTATCCGTTACAGCACTGATGTGAGTGTAGATGAAGTAAAAGCTTTGGCTTCTCTGAT
GACATACAAGTGTGCACTGGTTGATGTGCCGTTTGGGGGTGCTAAAGCTGGTGTAAAGATCAATCCCAAGAACTA
TACTGATAATGAATTGGAAAAGATCACAAGGAGGTTACCATGGAGCTAGCAAAAAGGGCTTTATTGGTCTCTGG
CATTGATGTGCCTGCTCCAGACATGAGCACAGGTGAGCGGGAGATGTCTGGATCGCTGATACCTATGCCAGCAC
CATAGGGCACTATGATATTAATGCACACGCCTGTGTTACTGGTAAACCCATCAGCCAAGGGGGGAATCCATGGACG
CATCTCTGCTACTGGCCGTGGTGTCTTCCATGGGATTGAAAATTTTCATCAATGAAGCTTCTTACATGAGCATTTT
AGGAATGACACCAGGGTTTGGAGATAAAACATTTGTTGTTTCAAGGATTTGGTAATGTGGGCTACACTCTATGAG
ATATTTACATCGTTTTTGGTGTCTAAATGTATTGCTGTTGGTGTGAGTCTGATGGGAGTATATGGAATCCAGATGGTAT
TGACCCAAAGGAAGTGAAGACTTCAAATTGCAACATGGGTCCATTCTGGGCTTCCCCAAGGCAAAAGCCCTATGA
AGGAAGCATCTTGGAGGCCGACTGTGACATACTGATCCAGCTGCCAGTGAGAAGCAGTTGACCAAAATCCAACGC
ACCCAGAGTCAAAGCCAAGATCATTGCTGAAGGTGCCAATGGGCCAACAACCTCCAGAAGCTGACAAGATCTTCCT
GGAGAGAAACATTATGGTTATTCCAGATCTCTACTTGAATGCTGGAGGAGTGACAGTATCTTACTTTGAGTGGCT
GAAGAATCTAAATCATGTGAGCTATGGCCGTTTGACCTTCAAATATGAAAGGGATTCTAACTACCCTTGCTCAT
GTCTGTTCAAGAGAGTTTAGAAAGAAAATTTGGAAAGCATGGTGGAACTATTCCCATTTGTACCCACGGCAGAGTT
CCAAGACAGGATATCGGGTGCATCTGAGAAAAGACATCGTGCACTCTGGCTTGGCATAACAAATGGAGCGTTCTGC
CAGGCAAATTATGCGCACAGCCATGAAGTATAACCTGGGATTGGACCTGAGAACAGCTGCCTATGTTAATGCCAT
TGAGAAAGTCTTCAAAGTGTACAATGAAGCTGGTGTGACCTTCACATAGATGGATCATGGCTGACTTCCTCACTA
TCCTCTTCACATGTAACTTCTGCAGACCTATCACAAGTTTACATGTAACCACAGAAATCCCTTTCTCTCCTGACT
CATTATAATGGATACCATTCTCAACAAGTCAATCCAAGTCAGCCCGTTAAGGAGAAAGAAATTAAGGTTAGCGG
ATCATGTACAAGCTGAGTGTGAAAGTAGAAATCACCTACACCAGAGAGCCATTTTGGTATTTTGCCTTTAAATAA
AAAGCCTCCTTTATCTGGCTGTGCAGCCTTGCTCTGTGGCTTTTCCCAACACAATCAGTGCTAGTGCTGGGGAGG
AACAGTCAAGAGCAGTCAGTTGCTTGCTTATTTTTCTGGATGAGTCTGGGACACACTGTAACCTTAACACATTT
AAGAAGTAGGTGTGTGGCCTTTTTCAGAAGGTGGCATGGTCTCAAGTGAGTTCTTAGTATTTTATATCAGCAAAA
TAATTCAATTTTGCAGGTTGCAACAAATATAAAACCTGTTTCTGTTTATGAATATTATCTTTTAGAATAGAAT
AAGTACATGCTGCTGTAATAAAATTGCCTTTAATCACTTAACAAGCCTAACCTTGACTCAAACAGTGAATGCCTA
TAGAAATAATAAATGAAAAAACTAGTATTTTTATATCATAAAACAATGTCATTTATAGCTTATCATTTCATGTAT
TGTCAGCAGACATTAAAAGCCCTGTGGATAATTAAGTTATCTTCATACCTGCAAAATGGTGGAGGCTATTTTCA
TTAAAACCTGTCAGAATTTGCTTACCATAATTATGATACAGTCCAAAGAATGCAGTCACTTTTTATCATGTTAACT
AATTGTTCTCTTTTGAAGATCTATGGTTGACTAATTAAACAATAATTCAAGTAGAGTGTCCAGAAAAAAACCAC
TTGGGCTCCCTGTTTGGAGTCTGGCTGGCTCTGAGCATTGCCAATGGCCCCCTACTCACCTGACTTTGTATCCTCT
CCTTTTAGAGGCTTTGCATTCTGCACCCAGCTTCACTAACAGTGGGCTGAAAACATCCTTGGGTTGAGTGTTC
TTTGGGAGTTATTTGGCCAGGGCCTTTTGAACAGTAGTGTCCCATGAAGTGCTAGATAATATATGTGTAAGAGT
CAGCTTTTTTTTTTTTTTAACTCTAACACCCTTCAGAAATTTCTAACTACTTTGTAAGTGCATGGCTTAACCT
GGTGATAAAAGCAGTTATTAAAAGTCTACGTTTTCCAAAAA

3254/6881
FIGURE 3005

MYRYLGEALLLSRAGPAALGSASADSAALLGWARGQPAAAPQPG LALAAARRHYSEAVADREDDPNFFKMVEGFFD
RGASIVEDKLVEDLRTRESEEQKRN RVRGILRI IKPCNHVLSLSFP IRRDDGSWEVIEGYRAQHSQHRT PCKGGI
RYSTDVSVDEVKALASLMTYKCAVVDVPF GGAKAGVKINPKNYTDNELEKITRRFTMELAKKGF IGPGIDVPAPD
MSTGEREMSWIADTYASTIGHYDINAHACVTGKPISQGGIHGRISATGRGVFHGIENFINEASYMSILGMT PGFG
DKTFVVQGF GNVGLHSMRYLHRFGAKCIAVGESDGSIWNP DGIDPKELED FKLQHGSILGFPKAKPYEGSILEAD
CDILIPAASEKQLTKSNAPRVKAKIIAEGANGPTTPEADKIFLERNIMVIPDLYLNAGGVTVSYFEWLK NLNHVS
YGRITFKYERDSNYHLLMSVQESLERKFGKHGGTIPIVPTAEFQDRISGASEKDIVHSGLAYTMERSARQIMRTA
MKYNLGLDLRTAAYVNAIEKVFKVYNEAGVTFT

3255/6881
FIGURE 3006

ATGGGGGAGAATATCATTGTAGAAAATGGAAACAGTGTGGATCAAGGTAGAGTGGATCTCGTGCAGGGTCCCCCTT
GGTGAACAGTGGCCATGTCCGCAACACTGGGTGCATTGGGACAGCACCAGGTATGAACCTCATCATAGCAGCCAT
CACAAGGACAAGGCCATTAAGAAATTTCGTCATTCAAAACATAGTGGAGGCCACAGCAGTCAGGGACATTTCTGAA
GCGAGCGTCTTTGATGCCTATGTGCGTCCCAAGCTGTATGTGAAGCTACATTACTGTGTCTTCACTTCTGCTGTG
TCTACGCTTCTCTTCTTTACCTTAA

3256/6881
FIGURE 3007

MGENIIVENGNSVDQGRVDLVQGGLGEQWPCPQHWVHWDSTRYEPHSSHHKDKAIKKFVIQNIVEATAVRDISE
ASVFDAYVRPKLYVKLHYCVFTSAVSTLLFFT

3257/6881
FIGURE 3008

GCAGCCCAGCCAAGCACTGTCAGGAATCCTGTGAAGCAGCTCCAGCTATGTGTGAAGAAGAGGACAGCACTGCCT
TGGTGTGTGACAATGGCTCTGGGCTCTGTAAGGCCGGCTTTGCTGGGGACGATGCTCCCAGGGCTGTTTTCCCAT
CCATTGTGGGACGTCCCAGACATCAGGGGGTGATGGTGGGAATGGGACAAAAAGACAGCTACGTGGGTGACGAAG
CACAGAGCAAAAGAGGAATCCTGACCCTGAAGTACCCGATAGAACATGGCATCATCACCAACTGGGACGACATGG
AAAAGATCTGGCACCCTCTTTCTACAATGAGCTTCGTGTTGCCCTGAAGAGCATCCCACCCTGCTCACGGAGG
CACCCTGAACCCCAAGGCCAACCGGGAGAAAATGACTCAAATTATGTTTGAGACTTTCAATGTCCCAGCCATGT
ATGTGGCTATCCAGGCGGTGCTGTCTCTCTATGCCTCTGGACGCACAACCTGGCATCGTGCTGGACTCTGGAGATG
GTGTCACCCACAATGTCCCCATCTATGAGGGCTATGCCTTGCCCCATGCCATCATGCGTCTGGATCTGGCTGGCC
GAGATCTCACTGACTACCTCATGAAGATCCTGACTGAGCGTGGCTATTCCTTCGTTACTACTGCTGAGCGTGAGA
TTGTCCGGGACATCAAGGAGAACTGTGTTATGTAGCTCTGGACTTTGAAAATGAGATGGCCACTGCCGCATCCT
CATCCTCCCTTGAGAAGAGTTACGAGTTGCCTGATGGGCAAGTGATCACCATCGGAAATGAACGTTTCCGCTGCC
CAGAGACCCTGTTCCAGCCATCCTTCATCGGGATGGAGTCTGCTGGCATCCATGAAACCACCTACAACAGCATCA
TGAAGTGTGATATTGACATCAGGAAGGACCTCTATGCTAACAATGTCCTATCAGGGGGCACCCTATGTACCCTG
GCATTGCCGACCGAATGCAGAAGGAGATCACGGCCCTAGCACCCAGCACCATGAAGATCAAGATCATTGCCCTC
CGGAGCGCAAATACTCTGTCTGGATCGGTGGCTCCATCCTGGCCTCTCTGTCCACCTTCCAGCAGATGTGGATCA
GCAAACAGGAATACGATGAAGCCGGGCCTTCCATTGTCCACCGCAAATGCTTCTAAAACACTTTCTGCTCCTCT
CTGTCTCTAGCACACAACCTGTGAATGTCCTGTGGAATTATGCCTTCAGTTCTTTTCCAAATCATTCTAGCCAAA
GCTCTGACTCGTTACCTATGTGTTTTTTAATAAATCTGAAATAGGCTACTGGTAA

3258/6881
FIGURE 3009

MCEEDSTALVCDNGSGLCKAGFAGDDAPRAVFPSIVGRPRHQGVMVGMGQKDSYVGDEAQSKRGILTLYPIEH
GIITNWDDMEKIWHHSFYNELRVAPEEHPTLLTEAPLNPKANREKMTQIMFETFNVPAMYVAIQAVLSLYASGRT
TGIVLDSGDGVTHNVPIYEGYALPHAIMRLDLAGRDLTDYLMKILTERGYSFVTTAEREIVRDIKEKLCYVALDF
ENEMATAASSSSLEKSYELPDGQVITIGNERFRCPETLFQPSFIGMESAGIHETTYNSIMKCDIDIRKDLYANNV
LSGGTTMYPGIADRMQKEITALAPSTMKIKIIAPPERKYSVWIGGSILASLSTFQQMWISKQEYDEAGPSIVHRK
CF

3259/6881
FIGURE 3010

ACTTTCCCTTTTGTAACTGTCAGCTGAAGGGAAACAAACAAAAAGGAACCAGAGGCCACTTGTATATATAGGTCTC
TTCAGCATTTATTGGTGGCAGAAGAGGAAGATTTCTGAAGAGTGCAGCTGCCTGAACCGAGCCCTGCCGAACAGC
TGAGAATTGCACTGCAACCAATGAGTGAGAACAATAAGAATTCCTTGGAGAGCAGCCTACGGCAACTAAAATGCCA
TTTCACCTGGAACTTGATGGAGGGAGAAAACCTCCTTGGATGATTTTGAAGACAAAGTATTTTACCGGACTGAGTT
TCAGAATCGTGAAATTCAAAGCCACAATGTGCAACCTACTGGCCTATCTAAAGCACCTCAAAGGGCAAACGAGGC
AGCCCTGGAAATGCTTACGTAAAGCTGAAGAGTTAATCCAGCAAGAGCATGCTGACCAGGCAGAAATCAGAAGTCT
GGTCACCTGGGGAAACTATGCCTGGGTCTACTATCACATGGGCCGACTCTCAGACGTTTCTGAGTTTATGTAGACAA
GGTGAAACATGTCTGTGAGAAGTTTTCCAGTCCCTATAGAATTGAGAGTCCAGAGCTTGACTGTGAGGAAGGGTG
GACACGGTTAAAGTGTGGAGGAAACCAAATGAAAGAGCGAAGGTGTGCTTTGAGAAGGCTCTGGAAAAGAAGCC
AAAGAACCAGAAATTCACCTCTGGACTGGCAATAGCAAGCTACCGTCTGGACAACCTGGCCACCATCTCAGAACGC
CATTGACCTCTGAGGCAAGCCATTCCGGCTGAATCCTGACAACCAGTACCTTAAAGTCTCCTGGCTCTGAAGCT
TCATAAGATGCGTGAAGAAGGTGAAGAGGAAGGTGAAGGAGAGAAGTTAGTTGAAGAAGCCTTGGAGAAAGCCCC
AGGTGTAACAGATGTTCTTCGAGTGCAGCCAAGTTTTATCGAAGAAAAGATGAGCCAGACAAAGCGATTGAAC
GCTTAAAAAGGCTTTAGAATACATACCAACAATGCCTACCTGCATTGCCAAATTGGGTGCTGCTATAGGGCAAA
AGTCTTCCAAGTAATGAATCTAAGAGAGAATGGAATGTATGGGAAAAGAAAGTTACTGGAATAATAGGACACGC
TGTGGCTCATCTGAAGAAAGCTGATGAGGCCAATGATAATCTCTTCCGTGTCTGTTCCATTCTTGCCAGCCTCCA
TGCTCTAGCAGATCAGTATGAAGACGCAGAGTATTACTTCCAAAAGGAATTCAGTAAAGAGCTTACTCCTGTAGC
GAAACAACCTGCTCCATCTGCGGTATGGCAACTTTTCTGCTGTACCAATGAAGTGTGAAGACAAGGCCATCCACCA
CTTTATAGAGGGTGTAAAAATAAACCAGAAATCAAGGGAGAAAAGAAAAGATGAAAGACAAACTGCAAAAAATTGC
CAAAATGCGACTTTCTAAAAATGGAGCAGATTCTGAGGCTTTGCATGTCTTGGCATTCTTCAGGAGCTGAATGA
AAAAATGCAACAAGCAGATGAAGACTCTGAGAGGGGTTTGGAGTCTGGAAGCCTCATCCCTTCAGCATCAAGCTG
GAATGGGGAAATGAGAATAGAGATGTGGTGCCCACTAGGCTACTGCTGAAAGGGAGCTGAAATTCCTCCACCAAG
TTGGTATTCAAAATATGTAATGACTGGTATGGCAAAAGATTGGACTAAGACACTGGCCATACCACTGGACAGGGT
TATGTTAACACCTGAATTGCTGGGTCTTGAGAGAGCCCAAGGAGTTCTGGGAGAGGGACCAGATTGGGGGGTAGG
TCCACGGGCTTGGTGATAGAATTATTTCTCGATTGACTTCTTGAGTGCAATTTGAACTGTAACATTTGCTTAGTC
ACCTTTAGTGGAGTAATCTACTGGGCTTGTCTTATATTTATATAAAGCAGCCAAATCCTTCATGTAATATTGAA
GTCCATTTTTGCAATGTTGTTCCATACTTGGAGTCATTTTGCATCCCATAGAGGTTAGTCCTGCATAGCCAGTAA
TGTGCTAAGTTCATCCAAAAGCTGGCGGACCAAAAGTCTAAATAGGGCTCAGTATCCCCCATCGCTTATCTCTGCC
TCCTTCCTCCTCCTTCCCAGTCTATCATCAACCTTGAGTATTCTACACAATGTGAATTCAAGTGCCTGATTAATT
GAGGTGGCAACATAGTTTGAGACGAGGGCAGAGAACAGGAAGATACATAGCTAGAAGCGACGGGTACAAAAAGCA
ATGTGTACAAGAAGACTTTTCTAGCAAGTATACAGAGAGTTCACCTCTACTCTGCCCTCCTCATAGTCATAATGTAG
CAAGTAAAGAATGAGAATGGATTCTGTACAATACACTAGAAACCAACATAATGTATTTCTTTAAACCTGTGTGA
AAAAA

3260/6881
FIGURE 3011

MSENNKNSLESSLRQLKCHFTWNLMEGENSLDDFEDKVFYRTEFQNRFEKATMCNLLAYLKHLKGQNEAALECLR
KAEELIQQEHADQAEIRSLVTWGN YAWVYYHMGRLSDVQIYVDKVKHVCEKFSSPYRIESPELDCEEGWTRLKCG
GNQNERAKVCFEKALEKKPKNPEFTSGLAIASYRLDNWPPSQNAIDPLRQAIRLNP DNQYLKVL LALKLHKMREE
GEEEGEGEKLVEEAEKAPGVTDVLRSAAKFYRRKDEPDKAIELLKKALEYIPNNAYLHCQIGCCYRAKVFQVMN
LRENGMYGKRKLLELIGHAVAH LKKADEANDNLF RVCSILASLHALADQYEDA EYFQKEFSKELTPVAKQLLHL
RYGNFQLYQMKCEDKAIH HFI EGVKINQKSREKEKMKDKLQKIAKMRLSKNGADSEALHVLAF LQELNEKMQQAD
EDSERGLESGSLIPSASSWNGE

3261/6881
FIGURE 3012

CTCCCGGACGTAGGTAGTTTGTGTTGGGCCGGGTTCTGAGGCCTTGCTTCTCTTTACTTTTCCACTCTAGGCCACGA
TGCCGCAGTACCAGACCTGGGAGGAGTTCAGCCGCGCTGCCGAGAAGCTTTACCTCGCTGACCCTATGAAGGCAC
GTGTGGTTCTCAAATATAGGCATTCTGATGGGAACCTGTGTGTTAAAGTAACAGATGATTTAGTTTGTGTTGGTGT
ATAAAACAGACCAAGCTCAAGATGTAAAGAAGATTGAGAAATTCCACAGTCAACTAATGCGACTTATGGTAGCCA
AGGAAGCCCGCAATGTATTTTGGAGCATAAAATGTATGCTGTTGTGACCAATAAAATATAAAATATGGTAATTGGA
ATTAACCCACACCATAGTATGCATTGTTATACATACTGTGTACCTAATTATGTATAGCAGTGTAGTCTCAATTA
TATCTAAAAGTAATTGTGACTAACAAGTATGCTTTGCCTTATTTCCACATTTAAAGTACCTGTTAATATAAGGGA
TTTGTAGTATCAGCTTGTGAGCAATGACTTTGAATCTAGTTTTTCAGTGATCAGAAGCAGCATTATTTGAGTGT
ATGAATGGAATGATGATCACTGTGCTATAATGTACTGAAACCACCATATTACAGAAATATTTACTACATATTTTC
CATCTGTAGTTTCTCAGAAGGGCTATGGATTAGTTTGAAGTGTCAAATCCTTGACATACTTCTGTGACACCCCTGC
CCATTTTCTGTCTTTAATTAACCAAGGTGTTAGGTGTTACTGTCAAACTGTTATGTTTTCCAGTAACTAGAAG
TACGATATTTGATAATTATATTTGTATCCTAAATTTACCACCTAAATGTAATGTTGATTCCCTCAAGAATGAAAT
GAAGGCACTACATTGAAATATGTTTTGTATAAAATTTGTCATGTTGAACAACATTTTA

3262/6881
FIGURE 3013A

CTTCTCTCCCAGGGCGGTGCGACCCGGAGCTCCAGCGCCCGAGTCTCCACTTCGTTTGCTGAAACTTGCTTTCTA
CCAGCTAAGAACCATGCTGCGAGTGATTGTGGAATCTGCCAGCAATATCCCTAAAAACGAAATTTGGCAAGCCGGA
TCCTATTGTTTCTGTCAATTTTAAAGGATGAGAAAAAGAAAACAAAGAAAGTTGATAATGAATTGAACCTGTCTG
GAATGAGATTTTGAGTTTGACTTGAGGGGTATACCACTGGACTTTTCATCTTCCCTTGGGATTATTGTGAAAGA
TTTGAGACAATTGGACAAAATAAATTAATTGGCACGGCGACTGTAGCCCTGAAGGACCTGACTGGTGACCAGAG
CAGATCCCTGCCGTACAAGCTGATCTCCCTGCTAAATGAAAAAGGGCAAGATACTGGGGCCACCATTGACTTGGT
GATCGGCTATGATCCGCCTTCTGCTCCACATCCAAATGACCTGAGCGGGGCCAGCGTGCCAGGCATGGGAGGAGA
TGGGAAGAAGATGAAGGTGATGAAGACAGGTTGGACAATGCAGTCAGGGGCCCTGGGGCCAAGGGGCCAGTTGG
GACGGTGTGCGAAGCTCAGCTTGCTCGGAGGCTCACCAAAGTAAAGAACAGCCGGCGGATGCTGTCAAATAAGCC
ACAGGACTTCCAGATCCGCGTCCGAGTGATTGAGGGCCGACAGTTAAGTGGAACAACATAAGGCCCTGTGGTCAA
AGTTCACGTCTGTGGCCAGACACACCGAACAAGAATCAAGAGAGGAAACAACCCTTTTTTGTATGAGTTGTTTTT
CTACAATGTCAACATGACCCCTTCTGAATTGATGGATGAGATCATCAGCATCCGGGTTTATAATTCTCACTCTCT
GCGGGCAGATTGTCTGATGGGGGAATTTAAGATTGATGTTGGATTGTGTTATGATGAACCTGGCCATGCTGTCTAT
GAGAAAGTGGCTTCTTCTCAATGACCCGGAAGATACCAGTTCAGGTTCTAAAGGTTATATGAAAGTCAGCATGTT
TGTCCTGGGAACCGGAGATGAGCCTCCTCCTGAGAGACGAGATCGTGATAATGACAGTGATGATGTGGAGAGTAA
TTTGTTACTCCCTGCTGGCATTGCCCTCCGGTGGGTGACCTTCTTGCTGAAAATCTACCGAGCTGAGGACATCCC
CCAGATGGATGATGCCTTCTCACAGACAGTAAAGGAAATATTTGGAGGCAATGCAGATAAGAAAAATCTCGTGGA
TCCTTTTGTAGAAGTTTCCTTTGCTGGAAAAAGGTTTGTACAAACATAATTGAGAAAAATGCAAAACCAGAGTG
GAATCAGGTCGTCAATCTTCAGATCAAGTTTCCTTCAGTGTGTGAAAAATAAACTAACAATATATGACTGGGA
CCGTCTTACTAAAAATGATGTAGTTGGAACAACATATCTACACCTCTCTAAAATTGCTGCCTCTGGTGGGGAAGT
GGAAGATTTCTCATCTTCGGGAACCTGGGGCTGCATCATATACAGTAAACACAGGAGAAACAGAGGTAGGCTTTGT
TCCAACGTTTGGACCTTGTTACCTGAATCTTTATGGAAGCCCCAGGGAGTACACGGGATTCCAGACCCCTATGA
TGAGCTGAATACTGGAAGGGGGAAGGAGTTGCCTACAGAGGCAGGATCTTGTTGAATTAGCCACTTTTCTTGA
GAAGACACCACCAGATAAAAAGCTTGAGCCCATTTCAAATGATGACCTGCTGTTGTTGAGAAATACCAGCGAAG
GCGGAAGTACAGCCTGTCTGCCGTGTTTCATTACAGCCACCATGTTGCAAGATGTTGGTGAGGCCATTAGTTTGA
AGTCAGCATTGGGAACATATGGCAACAAGTTTGACACCACCTGTAAGCCTTTGGCATCAACAACCTCAGTACAGCCG
TGCTGTATTTGATGGCAACTACTATTATTACTTGCTTGGGCCCCACACCAAGCCAGTTGTTACCCTGACTTCATA
CTGGGAGGATATTAGTCATCGCTGGATGCGGTGAACACTCTCCTAGCTATGGCAGAACGGCTGCAACAAATAT
AGAAGCTCTAAATCAGGGATACAAGGTAAAATTCTTGCAAACCAGCTGGCTGAATTGTGGCTGAAGCTGATAGA
TGAAGTTATAGAAGACACGAGATACAGTTGCCTCTCACAGAAGGAAAAGCCAACGTCACAGTTCTCGATACTCA
GATCCGAAAGCTGCGGTCCAGGTCTCTCTCCAAATACATGAGGCGGCTGTGAGGATGAGGTCGGAAGCCACAGA
TGTGAAGTCCACACTGGCAGAAATTGAGGACTGGCTTGATAAATTAATGCAGCTGACTGAAGAGCCACAGAACAG
CATGCCTGACATCATCTGGATGATCCGGGGAGAGAAGAGACTGGCCTATGCACGAATTCCCGCACATCAGGT
CTTGTACTCCACCAGTGGTGAGAATGCATCTGGAATACTGTGGGAAAACCCAAACCATCTTCTGAAGTATCC
ACAGGAGAAAAACAACGGGCCAAAGGTGCCTGTGGAGTTGCGAGTGAACATCTGGCTAGGCTTAAGTGCTGTGGA
GAAGAAGTTTAAACAGCTTCGCAGAAGGAACCTTACCCTCTTTGCTGAAATGTATGAAATCAAGCTCTCATGTT
TGGAAAATGGGGTACTTCTGGATTAGTAGGACGTCATAAGTTTTCTGATGTCACAGGAAAAATAAACTCAAGAG
GGAATTTTTCTGCCTCCAAAAGGCTGGGAATGGGAAGGAGAGTGATAGTTGATCCTGAAAGAAGCTTGCTGAC
TGAGGCAGATGCAGGTACACGGAGTTCACTGATGAAGTCTATCAGAACGAGAGCCGCTACCCGGGGGCGACTG
GAAGCCGGCCGAGGACACCTACACGGATGCGAACGGCGATAAAGCAGCATCACCCAGCGAGTTGACTTGCTCTCC
AGGTTGGGAATGGGAAGATGATGCATGGTCTTATGACATAAATCGAGCGGTGGATGAGAAAAGGCTGGGAATATGG
AATCACCATTCTCCTGATCATAAGCCCAAATCCTGGGTTGCAGCAGAGAAAATGTACCACACTCATAGACGGCG
AAGGCTGGTCCGAAAACGCAAGAAAGATTTAACACAGACTGCTTCAAGCACCGCAAGGGCCATGGAGGAATTGCA
AGACCAAGAGGGCTGGGAATATGCTTCTCTAATTGGCTGGAAATTTCACTGGAAACAACGTAGTTCAGATACCTT
CCGCCGAGACGCTGGAGGAGAAAAATGGCTCCTTCAGAAACACATGGTGCAGCTGCCATCTTTAACTTGAAGG
TGCCCTTGGGGCAGACACTACCGAAGATGGGGATGAGAAGAGCCTGGAGAAACAGAAGCACAGTGCCACCCTGT
GTTGCGAGCAAACACCCCATTTGTTTCTGCAATTTTGACAGAGTCTACATCTACCATCTGCGCTGCTATGTCTA
TCAAGCCAGAAACCTCTTGGCTTTAGATAAGGATAGCTTTTCAGATCCATATGCTCATATCTGTTTCTCTCCATCG

3263/6881

FIGURE 3013B

GAGCAAAACCACTGAGATCATCCATTCAACCCTGAATCCCACGTGGGACCAACAATTATATTCGATGAAGTTGA
AATCTATGGGGGAACCCCAAACAGTTCTACAGAATCCACCCAAAGTTATCATGGAACTTTTGGACAATGACCAAGT
GGGCAAAAGATGAATTTTATAGGACGAAGCATTCTCTCTCTGTGGTGAAACTGAACTCAGAAATGGACATCACACC
CAAACTTCTCTGGCAGCCAGTAATGAATGGAGACAAAGCCTGCGGGGATGTTCTTGTAAGTGCAGAGCTGATTCT
GAGGGGCAAGGATGGCTCCAACCTTCCATTCTTCCCCCTCAAAGGGCGCCAAATCTATACATGGTCCCCCAGGG
GATCAGGCCTGTGGTCCAGCTCACTGCCATTGAGATTCTAGCTTGGGGCTTAAGAAATATGAAAACTTCCAGAT
GGCTTCTATCACATCCCCAGTCTTGTTGTGGAGTGTGGAGGAGAAAGGGTGGAAATCGGTGGTGTATCAAAACCT
TAAGAAGACACCCAACTTTCCAAGTTCTGTTCTCTTCATGAAAGTGTCTTGCCCAAGGAGGAATTGTACATGCC
CCCCTGGTGATCAAGGTCATCGACCACAGGCAGTTTGGGGCGGAAGCCTGTCTGTCGGCCAGTGCACCATCGAGCG
CCTGGACCGCTTTCGCTGTGACCCCTTATGCAGGGAAAGAGGACATCGTCCCACAGCTCAAAGCCTCCCTTCTGTCT
TGCCCCACCATGCCGGGACATCGTTATCGAAATGGAAGACACCAAAACCATTAAGCTTCTTAAGCTGACAGAAAA
GGAGGAAGAAATCGTGGACTGGTGGAGTAAATTTTATGCTTCCCTCAGGGGAACATGAAAAATGCGGACAGTATAT
TCAGAAAGGCTATTCCAAGCTCAAGATATATAATTGTGAAGTGAAGATGTAAGATCCTTCTGTGGTGGAGAGTTAA
CTTCTCAGATACGTTCAAGTTGTACCGAGGCAAGTCGGATGAAATGAAGATCCTTCTGTGGTGGAGAGTTAA
GGGCTCCTTTCGGATCTACCTCTGCCGATGACCCAGCGTGCCAGCCCTCCAGACAGTTTCGGGAATTACC
TGACAGCGTCCACAGGAATGCACGGTTAGGATTTACATTGTTGAGGCTTAGAGCTCCAGCCCCAGGACAACAA
TGGCCTGTGTGACCTTACATAAAAATAACACTGGGCAAAAAAGTCATTGAAGACCGAGATCACTACATTCCCAA
CACTCTCAACCCAGTCTTTGGCAGGATGTACGAAGTGAAGTGTACTTACCTCAAGAAAAAGACCTGAAAATTC
TGTCTATGATTATGACACCTTTACCCGGGATGAAAAAGTAGGAGAAAACAATTATTGATCTGGAACCGATTCTCT
TTCCCGCTTTGGGTCCCCTGCGGCATACAGAGGAGTACTGTGTTTCTGGAGTCAATACCTGGCGAGATCAACT
GAGACCAACACAGCTGCTTCAAATGTGCGCCAGATTCAAAGGCTTCCCACAACCCATCCTTTCCGAAGATGGGAG
TAGAATCAGATATGGAGGACGAGACTACAGCTTGGATGAATTTGAAGCCAACAAATCCTGCACCAGCACCTCGG
GGCCCCCTGAAGAGCGGCTTGCTCTTCACATCCTCAGGACTCAGGGGCTGGTCCCTGAGCACGTGGAACAAGGAC
TTTGCACAGCACCTTCCAGCCCAACATTTCCAGGGAAAACTTCAGATGTGGGTGGATGTTTTCCCAAGAGTTT
GGGGCCACCAGGCCCTCCTTTCAACATCACACCCCGGAAAGCCAAGAAATACTACCTGCGTGTGATCATCTGGAA
CACCAAGGACGTTATCTTGACGAGAAAAGCATCACAGGAGAGGAAATGAGTGACATCTACGTCAAAGGCTGGAT
TCCTGGCAATGAAGAAAACAAACAGAAAACAGATGTCCATTACAGATCTTTGGATGGTGAAGGGAATTTTAACTG
GCGATTTGTTTTCCCGTTTGACTACCTTCCAGCCGAACAACCTCTGTATCGTTGCGAAAAAAGAGCATTCTGGAG
TATTGACCAAACGGAATTTGAAATCCCACCCAGGCTGATCATTGAGATATGGGACAATGACAAGTTTTCTCTGGA
TGACTACTTGGGTTTTCTAGAACTTGACTTGCGTCACACGATCATTCTGCAAAATCACCAGAGAAATGCAGGTT
GGACATGATTCCGGACCTCAAAGCCATGAACCCCTTAAAGCCAAGACAGCCTCCCTCTTTGAGCAGAAGTCCAT
GAAAGGATGGTGGCCATGCTACGCAGAGAAAAGATGGCGCCCGCGTAATGGCTGGGAAAGTGGAGATGACATTGGA
AATCCTCAACGAGAAGGAGGCCGACGAGAGGCCAGCCGGGAAGGGGCGGGACGAACCCAACATGAACCCCAAGCT
GGACTTACCAAATCGACCAGAAACCTCCTTCTCTGTTTACCAACCCATGCAAGACCATGAAGTTTCATCGTGTG
GCGCCGCTTTAAGTGGGTTCATCATCGGCTTGCTGTTCTGCTTATCCTGCTGCTCTTCGTGGCCGTGCTCCTCTA
CTCTTTGCCGAATATTTGTCAATGAAGATTGTAAAGCCAAATGTGTAACAAAGGCAAAGGCTTCATTTCAAGAG
TCATCCAGCAATGAGAGAATCCTGCCTCTGTAGACCAACATCCAGTGTGATTTTGTGTCTGAGACCACACCCAG
TAGCAGGTTACGCCATGTCACCGAGCCCCATTGATCCCAGAGGGTCTTAGTCTGGAAGTCAAGGCCAACAAAGC
AACGTTTGCATCATGTTATCTCTTAAGTATTAAGTTTATTTTCTAAAGTTTAAATCATGTTTTTCAAATAT
TTTTCAAGGTGGCTGGTTCCATTTAAAAATCATCTTTTATATGTGTCTTCGGTTCTAGACTTCAGCTTTTGAA
ATTGCTAAATAGAATTCAAAAATCTCTGCATCCTGAGGTGATATACTTCATATTTGTAATCAACTGAAAGAGCTG
TGCATTATAAAATCAGTTAGAATAGTTAGAACAATCTTATTTATGCCCAACCATTGCTATATTTTGTATGGA
TGTCTATAAAAGTCTATTTAACCTCTGTAATGAACTAAATAAAATGTTTCACCTTTAAAAAAAAAAAAAAAAAAAA
AAAA

3264/6881
FIGURE 3014

MLRVIVESASNIPKTKFGKPDPIVSVIFKDEKKKTKKVDNELNPVWNEILEFDLRGIPLDFSSSLGIIVKDFETI
GQNKLIGTATVALKDLTGDSRSLPYKLISLLNEKGQDTGATIDLVI GYDPPSAPHPNDLSGPSVPGMGGDGEED
EGDEDRLDNAVRGPGPKGPVGTVSEAQLARRLT KVKNRRMLSNKPQDFQIRVRVIEGRQLSGNNIRPVVKVHVC
GQTHRTRIKRGNNPFFDELFFYNVNMTPSELMDIISIRVYNSSHSLRADCLMGEFKIDVGFVYDEPGHAVMRKWL
LLNDPEDTSSSGSKGYMKVSMFVLGTGDEPPPERDRDNDSDDVESNLLLPAGIALRWVTFLLKIYRAEDIPQMDD
AFSQTVKEIFGGNADKKNLVDPFVEVSFAGKKVCTNII EKNANPEWNQVNLQIKFPSVCEKIKLTIYDWRDLTK
NDVVGTTYLHLSKIAASGGEVEDFSSSGTGAASYTVNTGETEVGFVPTFGPCYLNLYGSPREYTGFPDPYDELNT
GKGEVAYRGRILVELATFLEKTPPDKKLEPISNDDLLVVEKYQRRRKYSLSAVFHSATMLQDVGEAIQFEVSIG
NYGNKFDTTCKPLASTTQYSRAVFDGNYYYLPWAHTKPVVTLTSYWEDISHRLDAVNTLLAMAERLQTNIEALK
SGIQGKIPANQLAELWLKLIDEVIEDTRYTLPLTEGKANVTVLDTQIRKLRSRSLSQIHEAAVRMRSEATDVKST
LAEIEDWLDKLMQLTEEPQNSMPDII IWMIRGEKRLAYARIPAHQVLYSTSGENASGKYCGKTQTIFLKYPQEK
NGPKVPVELRVNIWLGLSAVEKKFNSFAEGTFTVFAEMYENQALMFGKWTSGLVGRHKFSDVTGKIKLKREFFL
PPKGWEWEGEWIVDPERSLLTEADAGHTEFTDEVYQNESRYPGGDWKP AEDTYTDANGDKAASPSELTCPPGWEW
EDDAWSYDINRAVDEKGEYGITIPPDHKPKSWVAAEKMYHTRRRRLVRKRKDLTQTASSTARAMEELQDQEG
WEYASLIGWKFWKQRSSDTFRRRRRWRRKMAPSETHGAAAIKFLEGALGADTTEDGDEKSLEKQKHSATTVFAN
TPIVSCNFDRVYIYHLRCYVYQARNLLALDKDSFSDPYAHICFLHRSKTTEIIHSTLNPTWDQTIIFDEVEIYGE
PQTVLQNPVKVIMELFDNDQVGKDEFLGRSIFSPVVKLNSEMDITPKLLWHPVMNGDKACGDVLVTAEILRGKD
GSNLPILPPQRAPNLYMVPQGIRPVVQLTAIEILAWGLRNMKNFQMASITSPSLVVECGGERVESVVIKNLKKTP
NFPSSVLFMKVFLPKEELYMPPLVIKVIDHRQFGRKPVVGQCTIERLDRFRCDPYAGKEDIVPQLKASLLSAPPC
RDIVIEMEDTKPLLASKLTEKEEEIVDWWSKFYASSGEHEKCGQYIQKGYSKLKIYNCELENVAEFEGLTDFSDT
FKLYRGKSDENEDPSVVGFEFGKSFRIYPLPDDPSVPAPPRQFRELPDSVPQECTVRIYIVRGLELOPQDNNGLCD
PYIKITLGKKVIEDRDHYIPNTLNPVFGRMVELSCYLPQEKDLKISVYDYDTFTRDEKVGETIIDLENRFLSRFG
SHCGIPEEYCVSGVNTWRDQLRPTQLLQNVAREFKGFPQPI LSEDGSRIRYGGRDYSLDEFEANKILHQHLGAPEE
RLALHILRTQGLVPEHVETRTLHSTFQPNISQGKLQMWVDVFPKSLGPPGPPFNITPRKAKKYYLRVIIWNTKDV
ILDEKSITGEEMSDIYVKGWIPGNEENKQKTDVHYRSLDGEENFNWRFVFPFDYLPAEQLCIVAKKEHFWSIDQT
EFRIPRLIIQIWDNDKFSLDDYLGFLDLRHTIIPAKSPEKCRDMIPDLKAMNPLKAKTASLFEQKSMKGWW
PCYAEKDGARVMAGKVEMTLEILNEKEADERPAGKGRDEPNMNP KLDLPNRPETSFLWFTNPCKTMKFIVWRRFK
WVIIGLLFLLILLLLFVAVLLYSLPNYLSMKIVKPNV

3265/6881
FIGURE 3015

GTGTGGACAACAGTGAGTATATGGGGAATGGAGACTTCTTACCCACCCGGCTGCAGGCCAGCAGGATGCTGTCA
ACACAGTTTGTCAATCAAAGACCCGCAGCAACCCTGAGAACAACGTGGGCCTTATCACACTGGATAATGACTGTG
AAGTGCTGACCACACTCACCCAGACACTGGCCGTATCCTGTCCAAGCTACATACTGTCCAACCCAAGGGCAAGA
TCACCTTCTGCATGGGCATCCACGTGGCCCATCTGGCTCTGAAGCACCGACAAGGCAACAATCACAAGATCCGCA
TCATTGCCTTTGTGGGAAACCCGGTGGAGGACAATGAGAAGAACTCTGGTGAAACTGGCTAAATGCCTCAAGAAGG
AGAAAGTAAATGTTGACATTATCAATTTTGGGGAAGAGGAGGTGAACACAGAAAAGCTGACAGCCTTTGTAAACA
CGTTGAATGGCAAAGATGGAACCGGTTCTCATCTGGTGACAGTGCCTCCTGGGCCAGTTTGGCTGATGCTCTCA
TCAGTTTTCCGATTTTGGCTGGTGAAGGTGGTGCCATGATGGGTCTTGGTGCCAGTGACTTTGAATTTGGAGTAG
ATCCCAGTGCTGATCCTGAGCTGGCCTTGGTCCCTTCGTGTATTTATGGAAGAGCAGCGGCAGCGGCAGGAGGAGG
AGGCCCGGCAGGCAGCTGCAGCTTCTGCTGCTGAGGCCGGGATTGCTACGACTGGGACTGAAGACTCAGACGATG
CCCTGCTGAAGATGACCATCAGCCAGCAAGAGTTTGGCCACACTGGGCTTCCTGACCTAAGCAGTATGACTGAGG
AAGAGAAGATTGTTTGTGCCATGCAGATGTCCCTGCAGGGAGCAGAGTTTGGCCTGGCAGAATCAGCAGACATTG
ATGCCAGCTCAGCCATGGACACATCTGAGCCAGCCAAGGAGGAGGATGATTACGACGTGATGCAAGACCCCTGAGT
TCCTTCAGAGTGTCTAGAGAACCTCCCAGGTGTGGATCCCAACAATGAAGCCATTGAAATGCTGTGGGCTCCC
TGGCCTCCCAGGCCACCAAGGACAGCAAGAAGGACAAGAAGGAGGAAGACAAGAAGTGAGACTGGAGGGAAAGGG
TAGCTGAGCCTGCTCAGGGGACTGCATGGGAAGCACGGAATATAGGGTTAGATGTGTGTTATCTGTAATCATTAT
AGCCTAAATAAAGCTTGGCAA

3266/6881
FIGURE 3016

GGGGATTTGGCTAGAAAGGCTGGGCCGGCAGCGGTTGTGAGGAGTTAGCTCGCGGCATTGCAGGCTCTGAGAGGAG
GGGACCCGGTTCCCGGGTGAGTGTCAGGCATGCCAGCGGAACGGCCCGGGCAGCGGCGGCTCGGAGGCTCCA
GCAATGGTTGAACAACCTGGACACTGCTGTGATTACCCCGGCCATGCTAGAAAGAGGAAGAACAGCTTGAAGCTGCT
GGACTAGAGAGAGAGCGGAAGATGCTGGAAAAGGCTCGCATGTCTTGGGATAGAGAGTGCACAGAAAATTCGGTAC
CGTAGACTTCAACATTTGCTTGAAAAAGCAATATATACTCCAAATTTTTATTGACGAAAATGGAACAGCAACAA
TTAGAGGAACAGAAAGAAAAGAAAAATTGGAGAGAAAAAGGAGTCTTTAAAAGTTAAAAAGGGTAAAAATTCA
ATTGATGCAAGTGAAGAGAAAGCCAGTTATGAGGAAAAAAGAGGAAGAGAAGATGAATCATACAATATTTTCAGAG
GTCATGTCAAAAAGAGGAAATTTTGTCTGTGGCTAAAAAAAATAAAAAGGAGAATGAGGATGAAAACCTCCTCCTCT
ACTAATCTCTGTGTGGAAGATCTTCAGAAAAATAAAGATTTCGAATAGTATAATTAAAGATAGATTGTCTGAAACG
GTTAGGCAGAATACTAAATTCCTTTTTTGACCCAGTCCGGAAGTGTAATGGTCAGCCAGTACCTTTTCAACAACCA
AAGCACTTCACTGGAGGAGTGATGCGATGGTACCAAGTAGAAGGCATGGAATGGCTTAGGATGCTTTGGGAAAT
GGAATTAATGGCATTTTAGCAGATGAAATGGGATTGGGTAAGACAGTTTCAGTGCATTGCTACTATTGCATTGATG
ATTGAGAGAGGAGTACCAGGACCTTTTCTGTCTGTGGCCCTTTGTCTACACTTCCTAACTGGATGGCTGAATTC
AAAAGATTTACACCAGATATCCCTACAATGTTATATCATGGAACCCAGGAGGAACGTCAAAAATTGGTAAGAAAT
ATTTACAAACGGAAGGGACTTTGCAGATTCATCCTGTGGTAATCACGTCATTTGAAATAGCCATGAGAGACCGA
AATGCGTTACAGCATTGCTATTGGAATACTTAATAGTAGATGAAGGACACAGGATTAAGAATATGAAGTGCCGT
CTAATCAGGGAGTTAAACGATTCAATGCTGATAACAACTTCTTTTACTGGTACTCCCTTGCAAAACAATTTA
TCAGAACTTTGGTCATTGCTAACTTTTTGTTGCCAGATGTATTTGATGACTTGAAAAGCTTTGAGTCTTGGTTT
GACATCACTAGTCTTTCTGAACTGCTGAAGATATTATTGCTAAAGAAAGAGAACAGAATGTATTGCATATGCTG
CACCAGATTTTAACACCTTTCTTATTGAGAAGACTGAAGTCTGATGTTGCTCTTGAAGTTCCTCCTAAACGAGAA
GTAGTCGTTTATGCTCCACTTTCAAAGAAGCAGGAGATCTTTTATACAGCCATTGTGAACCGTACAATTGCAAC
ATGTTTGGATCCAGTGAGAAAGAAACAATTGAGTTAAGTCCTACTGGTCGACCAAAACGACGAACTAGAAAATCA
ATAAATTACAGCAAAATAGATGATTTCCCTAATGAATTGAAAAACTGATCAGTCAAAATACAGCCAGAGGTGGAC
CGAGAAAGAGCTGTTGTGGAAGTGAATATCCCTGTAGAATCTGAAGTTAATCTGAAGCTGCAGAATATAATGATG
CTACTTCGTAAATGTTGTAATCATCCATATTTGATTGAATATCCTATAGACCTGTTACACAAGAATTTAAGATC
GATGAAGAATTGGTAAACAATTCTGGGAAGTTCTTGATTTTGGATCGAATGCTGCCAGAACTAAAAAAGAGGT
CACAAGGTGCTGCTTTTTTACAAATGACAAGCATGTTGGACATTTTGTGATGGATTACTGCCATCTCAGAGATTTT
AACTTCAGCAGGCTTGATGGGTCCATGTCTTACTCAGAGAGAGAAAAAACAATGCACAGCTTCAACACGGATCCA
GAGGTGTTTATCTTCTTAGTGAGTACACGAGCTGGTGGCCTGGGCATTAATCTGACTGCAGCAGATACAGTTATC
ATTTATGATAGTGATTGGAACCCCGAGTCGGATCTTCAGGCCAGGATAGATGTCATAGAATTGGTCAGACAAAG
CCAGTTGTTGTTTATCGCCTTGTTACAGCAAAATACTATCGATCAGAAAATTGTGGAAGAGCAGCTGCTAAAAGG
AAACTGGAAGGTTGATCATCCATAAAAATCATTTCAAAGGTGGTCAGTCTGGATTAAATCTGTCTAAGAATTTT
TTAGATCCTAAGGAATTAATGGAATTATTAAAAATCTAGAGATTATGAAAGGGAAATAAAAGGATCAAGAGAGAAG
GTCATTAGTGATAAAGATCTAGAGTTGTTGTTAGATCGAAGTGATCTTATTGATCAAATGAATGCTTCAGGACCA
ATTAAAGAGAAGATGGGGATATTCAAGATATTAGAAAATTCTGAAGATTCCAGTCCTGAATGTTTGTGTTTAAAGT
GGAGCTCAAGAATAGCTTTTAAAAGTTCTTATTTACATCTAGTGATTTCCCTGTATTGGGTTTGAAATACTGATT
GTCCACTTCACCTTTTTTATTATATCAGTTGACATGTAAGTACTAGTACCATGCGTACTTAAATAGATGGTAATTTTC
TGAGCCTTACCAAGAACAAAGAAGTATCCATATTAAGTTTAGATTTTCAGTTAATTTTGAGACTGAGTAGTATT
CTTGGATACAGGCTGATGTGTACTTAACCACTTCAGATTTATACAGTCTTCCTGTGGAAGTTTAGTAAATGTCT
TTTTCCCTCCTTCTTCTAGTAATGCAGTTTCATGGGCTTTAGGTACTTCAGTTATGAAGTAGGCTTTTCATGGGG
AGAGATTGGGATTATGCTCTCTGTTGTTTAAAGAACTGTTTGATTTTAGAGTCTATTTCTATGAGATAGTTTACC
AAATAAATGTTTCCTTATAAG

3267/6881
FIGURE 3017

GCCCGCGCCGCGCCGCTCTTTCTCCGACAGCTGCCGGGGTGCCCTGCAAGCTGTTCCGCGCGTCCCTGCCCGTCT
GTCCCCGCGGGTCGTGCGCCGCCACAGCCGCGCCATGACCACCCAGCAGATAGACCTCCAGGGCCCCGGGGCCGTG
GGGCTTCCGCCTCGTGGGCGGCAAGGACTTCGAGCAGCCTCTCGCCATTTCCCGGGTCACTCCTGGAAGCAAGGC
GGCTCTAGCTAATTTATGTATTGGAGATGTAATCACAGCCATTGATGGGGAAAATACTAGCAATATGACACACTT
GGAAGCTCAGAACAGAATCAAAGGCTGCACAGACAACCTTGACTCTCACTGTAGCCAGATCTGAACATAAAGTCTG
GTCTCCTCTGGTGACGGAGGAAGGGAAGCGTCATCCATACAAGATGAATTTAGCCTCTGAACCCCAGGAGGTCTT
GCACATAGGAAGCGCCCAACCGAAGTGCCATGCCCTTTACCGCCTCGCCTGCCCTCCAGCACTACTGCCAGGGT
CATCACAACCCAGTACAACAACCCAGCTGGCCTCTACTCTTCTGAAAATATCTCCAACCTTCAACAATGCCCTGGA
GTCAAAGACTGCTGCCAGCGGGGTGGAGGCGAACAGCAGACCCTTAGACCATGCTCAGCCTCCAAGCAGCCTTGT
CATCGACAAAGAATCTGAAGTTTACAAGATGCTTCAGGAGAAACAGGAGTTGAATGAGCCCCCGAAACAGTCCAC
GTCTTTCTTGGTTTTGCAGGAAATCCTGGAGTCTGAAGAAAAAGGGGATCCCAACAAGCCCTCAGGATTGAGAAG
TGTTAAAGCTCCTGTCACTAAAGTGGCTGCGTCGATTGGAAATGCTCAGAAAGTTGCCTATGTGTGACAAATGTGG
CACTGGGATTGTITGGTGTGTTTTGTGAAGCTGCGGGACCGTCACCGCCACCCTGAGTGTATGTGTGCACTGACTG
TGGCACCAACCTGAAACAGAAGGGCCATTTCTTTGTGGAGGATCAAATCTACTGTGAGAAGCATGCCCGGGAGCG
AGTCACACCACCTGAGGGTTATGAAGTGGTCACTGTGTTCCCCAAGTAGAGCCAGCAGATCTGACCCTGTTCTCC
AGCAGGCCCTCTGCTGCAGCTTTTTCTCTCAGTGTCTTGGCCCTCTCCTCTCTTGAAAGTTCTCTGCTTACTTTGG
TTTTCCCTCTGCTTGTAAAACATTGAGTCCCCTCCCTGCCTTGGTTAATTGACTCACACCAGCTGTGCGATGCCC
GCTTTTACAATTAAAGGAAAACCTGTTTTGTTCAAGTGTACCTTGTGAGCAACACTGTGTCCCTTCGCCCCACCGT
TCTTCTCTGCTGCATTTGGACATCAGCCAAATTTGAACCCAATCAAATATAACGTGTCTGACACTGATTTTGTTT
TTACTCAATAAATGTATAGACTACAAAAAAAAAAAAA

3268/6881
FIGURE 3018

MTTQQIDLQGPWPWFRLVGGKDFEQPLAISRVTPGSKAALANLCIGDVITAIDGENTSNMTHLEAQNRIKGCTD
NLTLTVARSEHKVWSPLVTEEGKRHPYKMNLASEPQEV LHIGSAHNRSAMPFTASPASSTTARVITNQYNNPAGL
YSSENISNFNNALESKTAASGVEANSRPLDHAQPPSSLVIDKESEVYKMLQEKQELNEPPKQSTSFLVLQEILES
EEKGDPNKP SGFRSVKAPVTKVAASIGNAQKLPMCDKCGTGIVGVFVKLRDRHRHPECYVCTDCGTNLKQKGHFF
VEDQIYCEKHARERVTPPEGYEVVTVFPK

3269/6881
FIGURE 3019

ATGGAAGATTGATGGACATGGACGCCGACAAAGATGATCACTTTAAGGTGGATAATGATGAAAATGAGCACCAG
TTATCCTTAAGAACGCCAACAGTTTCCCTTGGGGTCTTTGAAATAACACCACCAGTGCTTTTATGGTTGAAGTGT
GGTTCAGGGCCAGTGCATATTAGTGGACAGCATTTAGTAGCTGTGGAGGAAGATGCAGAGTCAGAAGATGAAGAG
GAGGAGGATGTGAACTCTTAAGGATATCTGGAAAATTAAAAGGACAAGAATCCTTCAAAAAACAGGAAAAAAT
CGTAAACACCAAAAGGGCCTAGTTCTGTAGAAGACATTAAATCAAAAATGCAAGCAAGTATAGAAAAGGTGGT
TCTCTTCCCAAATGGAGGAAGTCTCTTTAG

3270/6881
FIGURE 3020A

ATTCTGGCTGTGACTCAGTCACTGACACTGAGCCTGAGGACGAGAAGGTTGTTTCTACTCGAAGCAGCAGAACC
TGCCGACGGTGACTTCACCTGGGAACCTGATGGTGGTGCAGCCGGACCGCATTTCGCTGTGGGGCAGAAACCACTG
TCTATGTTATTGTGAGATGTAAGCTGGATGACAGGGTGGCGACAGAAGCAGAGTTTTCTCCTGAGGATTCTCCCT
CTGTAAGGATGGAAGCCAAGGTGGAGAATGAGTACACCATTTTCAGTGAAGGCTCCCAACCTTTCATCTGGGAACG
TTTCTCTGAAGATATATTCTGGAGACTTAGTGGTGTGTGAAACCGTTATCAGCTATTATACTGACATGGAAGAAA
TTGGGAATTTATTGTCCAATGCCGCGAATCCTGTGGAATTCATGTGTGAGGCCTTTAAAAATTGTGCCCTACAACA
CAGAGACCTTGATAAACTGCTAACCGAATCCCTGAAGAACAATATCCCTGCAAGCGGACTGCACCTCTTTGGAA
TCAACCAGCTGGAAGAAGAAGATATGATGACAAATCAGAGGGATGAAGAGCTGCCACCCCTGTTGCATTTTGCTG
CGAAGTATGGAAGTGAAGAACCTCACTGCCTTGTGCTCACCTGCCAGGAGCCCTGCAGGCGTACAGCGTGGCCA
ACAAGCATGGCCACTACCCCAACACCATCGCTGAGAAACACGGCTTCAGGGACCTGCGGCAGTTCATCGACGAGT
ATGTGGAAACGGTGGACATGCTCAAGAGTCACTTAAAGAGGAAGTATGCACGGGGAGGAGGCTGATGCTGTGT
ACGAGTCCATGGCCACCTTTCCACAGACCTGCTTATGAAATGCTCGCTCAACCCCGGCTGTGACGAGGATCTCT
ATGAGTCCATGGCTGCCTTTGTCCCAGCTGCCACTGAAGACCTCTATGTTGAAATGCTTCAGGCCAGTACATCTA
ACCCAATCCCTGGAGATGGTTTCTCTCGGGCCACTAAGGACTCTATGATCCGCAAGTTTTTGAAGGCAACAGCA
TGGGAATGACCAATCTGGAGAGAGATCAGTGCCATCTTGGTCAGGAAGAAGATGTTTATCACACGGTGGATGACG
ATGAGGCCTTTTCTGTGGACCTGGCCAGCAGGCCCCCTGTCCAGTGCCAGACCAGAGACCACTGCTCCTGGTG
CTCACCAGCTGCCTGACAACGAACCATACATTTTTTAAAGTTTTTGCAGAAAAAGTCAAGAGCGGCCTGGGAATT
TCTACGTTTTCTCAGAGAGCATCAGGAAAGGGCCGCCCGTCAAGCATGGAGGGACAGGCCCCAGTCAAGTATAT
ATGACCCTTTTGCAGGAATGAAAACGCCAGGCCAGCGGCAGCTTATCACCTCCAGGAGCAGGTGAAGCTGGGCA
TTGTCAACGTGGATGAGGCTGTGCTCCACTTCAAAGAGTGGCAGCTCAACCAGAAGAAACGATCGGAGTCCTTTC
GTTTCCAGCAGGAAAATCTTAAACGGCTAAGAGACAGCATCACCCGAAGACAGAGAGAGAAGCAAAAATCAGGAA
AGCAGACAGACTTGGAGATCACGGTCCCAATTCGGCACTCACAGCACCTGCCTGCAAAAGTGGAGTTTGGAGTCT
ATGAGAGTGGCCCCAGGAAAAGTGTCAATTCCTCCCTAGGACGGAGCTGAGACGAGGAGACTGGAAGACAGACAGCA
CCTCCAGCACAGCAAGTAGCACAAAGTAACCGCTCCAGCACCCGGAGCCTCCTCAGTGTGAGCAGCGGGATGGAAG
GGGACAACGAGGATAATGAAGTCCCTGAGGTTACCAGAAGTCGAGTCCAGGCCCCCACAAGTGGATGGGACAC
CCACCATGTCCCTCGAGAGACCCCCAGGGTGCCTCCGAGAGCTGCCTCACAGAGGCCTCCGACCAGGGAGACCT
TCCATCCTCCTCCACCTGTTCCACCCAGAGGACGCTGATTCCACCTCCTAAAACCTGCCTACTTCAGGACTTTAA
GACTCACAGTCTTCAGCCTGTTAATGATGTCTTCATGTTGAGTTTTATAGCATGACTGTTGACCTTAAGATCCAT
TCTCATTGCTGATAATGCTGCAGCCCTGCTGGTTTTGGGCTTGCCCTCGAAGATTTTATTAAGGCACGAAGAAGTGA
AAAATAAGGGCTTCATTACCATCACCAAGTATATCGAACCATACTTGTGTTGCCAAAAGGATGAAGACTTAA
TCGAAATACTTACCTCTAATTTGCCATATCAGAAGCCTAAAAAGAATGATCATAAATGTACTTCACCAGTGATTT
TACTGAAATGCACTTATATTAGTCTTTATGTATTTGCTAGTTTACGCTGATTTCTAGAAGAGGTTATAGTGTGAG
ACTTGTAGTATTCAAGTAAGATAAGTGACCTAATTTTAAATAATTCTTCTACTTTTCTGTATATTTCAGCAGGGT
ATTTAAGTGCTAGGGCTGGTCACACACAACCAACTGAAAAAGACTAGAGGGATTAGTACAACTCCTCTTATACA
GAAGGCAAAATCTGAGGTTCCACAGAAGTCTGGAACCAAGACTATTCAAGTTGGTTAAATAAAGAGGTTAGTCTAGA
CTGGGCCTGCTCATTTAGGTCAACCATTTTCCATCTCCAAATAGCCAGGCCCTCTCTCCCTCAAGAAATGCCC
CAAGTTTGTGTTTCTTTCCAATTTGGGAATTTATACTTCAGTATGGTTTCAACGCAGTTATGTTTCCAGAGA
ACATCTAGAAGTGGCTGGAACCAAGCTGGGGATTCCAGGGACCCCACTTAGTGCTCTATTTCCTTTATAGGT
TTTATTTCTGGTCATAGAGAGAGAAGGACCTTTGACTTTTCTTCTGTTGAGGCTTCTGAGGAGGAAAAACAAACC
TAAAATAGAAATACAGTCAGCCTTTCAAATCCATGGGTTCTGTGTCCGTGGATTCAACCAACCTTGGATCAAAAA
TATTTGAAAAAAATCTACAAAGTTTCAAAAAGCAAACTTGAATTTGCTGCATGCCAAGAAGTATGTTGAATTC
ATGTAAATGAAGTGATGTGTAGGCATTGTATTAGATATTATAAGAAATCTAGAAATGATTTAAAGCATACAGGAG
GATGTGCATAGGTTATATGCAAAATACTATGCTATTTTATATATGGGACTTGAGCATTGTGGATTTTGATACTGG
GGGATCCTGGAACCAATCCCCATGGATACCAAGTACGACTGTAGTTATCTATTTTTTACATACTTATTATTAC
CACCATGCTCAGTAAGTCCATTTTTGTCATGGAATATGGAGCCTTAAACATGTCATGAATTTGGAGTCCCTGGCA
CATAAATCTACCTTCAAATCAGAGGTCCTTAATGATGCCTAAACATACAGTAAATTAGAATCAGAAATACTTCT
TTAAAAATATTCAAATGTGTTTGTGTTTCCCATGGGATTATTCTCTATCCACACGAATGTAAAAAATCCACAT

3271/6881

FIGURE 3020B

TAATGATCCATTTAAGTATAGTTTTATTGGGTCCTTTTCTAATGATTAAAGGTTCTTCTCAATTTCAATTCCTCA
GTCCTGCAAGTAAGGACTCATACTGAAGAGTACTGAAACAAGGACTTCTTGTCAGAAACAGCTTCTGGAATCTTG
GGTTTTGTTTTTGTGTTTTTGACAAAATACACTATTGGCCATGTCCATCACGAGAGTGTTGTAGTAATTAATTAC
CTTGACAGGACCTGGCACTTAGTAGCATTCTTCAAATGTTCCCTCAGTGATCCTTTTACTCTCCTTGTCACCTA
TTTGGGAGAAAATAGGGGCACGTGAGATAAGAAGAAGAATAATTTTGATGTTGGTATGCTTGCCCTGTTACTTATA
GACAGTCTTTGTGCATAGGCAAACCTTGAATTTGATTTAAAATAGGGCTGGGAAAAATATTCAATAACTGTAAGCCC
CCTTTTGGATGCCAAACTTAGAATTTTGTACATTCTCTGATGAACAAGCATTTAGATCGTAACATGGTAAAGCCT
ATTACCAGCCAATGTTGTTAGCATCTTTGTATGCACATCACTGTTTGTGCAATATATGAATATTTTGTGTCATTG
TATTCTTATATAAAAAATAAGTAGAAAACATAAAATTGAAATTGCTGATGAGAAGCCTTGCTCTCGTGAATGTGATA
CACTTGAGACACGGATGGAACCTGATCAGGAGTGCCAAGTCAAAAGCAGCAGATCTTAAGCCCTCACTGGTTGTTC
CTTTAACATCCAAAATGGTTGGTTATATGTAAAAGAAGAAAATGAAATAATCTGGATGAAACACTGGGACTGTGT
TATCAAAGAATGTCTGTAGTGATGAGGTGAAAATTTTCATTTTCCAGAAACAGAACTGCTCATTTATAACATAAA
TATATTCAACTTCCACA

3272/6881
FIGURE 3021

MVVQPDRIRCGAETTVYVIVRCKLDDRVATEAEFSPEDSPSVRMEAKVENEYTISVKAPNLSSGNVSLKIYSGDL
VVCETVISYYTDMEEIGNLLSNAANPVEFMCQAFKIVPYNTETLDKLLTESLKNNIPASGLHLFGINQLEEDMM
TNQRDEELPTLLHFAAKYGLKNLTALLLTCPGALQAYSVANKHGHYPNTIAEKHGFRDLRQFIDEYVETVDMMLKS
HIKEELMHGEEADAVYESMAHLSTDLLMKCSLNP GCDEDLYESMAAFVPAATEDLYVEMLQASTSNPIPGDGFSR
ATKDSMIRKFLEGNSMGMTNLERDQCHLGQEEDVYHTVDDDEAFSVDLASRPPVPVPRPETTAPGAHQLPDNEPY
IFKVFAEKSQERPGNFYVSSESIRKGPPVRPWRDRPQSSIYDPFAGMKTPGQRQLITLQEQVKLGIVNVDEAVLH
FKEWQLNQKKRSESFRFQQENLKRLRDSITRRQREKQKSGKQTDLEITVPIRHSQHLPKAVEFGVYESGPRKSVI
PPRTELRRGDWKTDSTSSTASSTSNRSSTRSLLSVSSGMEGDNEDNEVPEVTRSRSPGPPQVDGTPTMSLERPPR
VPPRAASQRPPPTRETFHPPPPVPPRGR

3273/6881
FIGURE 3022

CGAAGATGGCGGAGGTGCAGGTCCTGGTGCTTGATGGTCGAGGCCATCTCCTGGGCCGCCTGGCGGCCATCGTGG
CTAAACAGGTACTGCTGGGCCGGAAGGTGGTGGTTGTACGCTGTGAAGGCATCAACATTTCTGGCAATTTCTACA
GAAACAAGTTGAAGTACCTGGCTTTCTCCGCAAGCGGATGAACACCAACCCTTCCCGAGTCCCCTACCACTTCC
GGGCCCCCAGCCGCATCTTCTGGCGGACCGTGCGAGGTATGCTGCCCCACAAGACCAAGCGAGGCCAGGCCGCTC
TGGACCGTCTCAAGGTGTTTGACGGCATCCCACCGCCCTACGACAAGAAAAAGCGGATGGTGGTTCCTGCTGCCC
TCAAGGTCGTGCGTCTGAAGCCTACAAGAAAGTTTGCCTATCTGGGGCGCCTGGGCTCACGAGGTTGGCTGGAAGT
ACCAGGCAGTGACAGCCACCCTGGAGGAGAAGAGGAAAGAGAAAGCCAAGATCCACTACCGGAAGAAGAAACAGC
TCATGAGGCTACGGAAACAGGCCGAGAAGAACGTGGAGAAGAAAATTGACAAATACACAGAGGTCCTCAAGACCC
ACGGACTCCTGGTCTGAGCCCAATAAGACTGTTAATTCCTAAAAAAAAAAAAAAAAAAAAAAAAAAGAAAAA

3274/6881
FIGURE 3023

MAEVQVLVLDGRGHLLGRLAAIVAKQVLLGRKVVVVCCEGINISGNFYRNKLNylaFLRKRmntSPSRGPYHFRA
PSRVFWRTVRGMLPHKTKRGQAALDRLKVSDGIPPPYDKKKRMVVPaALKVVRLKPTRKFAYLGRLAHEVGWKYQ
AVTATLEEKrKEKAKIHYRKKKQLMRLRKQAEKNVEKKIDKYTEVLKTHGLLV

3275/6881
FIGURE 3024A

GGCAGGAGGCACGTGGGTTCTGAGCGTGTCTTCTACGTCCCTGGAAGCCGGTCATTTAAGCTCATTCTCGCCACG
GCTTAGTCAACATGGGTGCGTCGGGAAAGTTGCCCTCTGGTGTCTCAGCTAAGTTGAAGCGCTGGAAGAAAGGCC
ACAGCAGCGACAGCAACCCCGCCATCTGCCGCCACCGTCAGGCCGCCCGCAGCCGCTTCTTCAGCCGGCCGTCAG
GAAGGAGTGACCTGACAGTCGATGCTGTGAAGTTACATAATGAGCTGCAGTCAGGGTCCTTGCCTTGGGCAAAA
GCGAAGCCCCGGAGACGCCCATGGAAGAAGAGGCGGAGCTGGTTCTCACCAGAAAGTCTCGGGTACCTTCCTGA
GTGGCCTTTCCGACTGCACAAACGTCACCTTCAGCAAAGTACAGCGCTTCTGGGAGTCCAACCTCGGCTGCCACA
AGGAGATCTGTGCTGTTCTGGCTGCTGTCACTGAGGTGATTGCTCCCAGGGAGGGAAGGAGACGGAGACTGAGT
ACTTCGCTGCTCTGATGACAACAATGGAAGCAGTGGAGTCCCCGGAGTCCCTGGCCGCCGTTGCTTACCTGCTGA
ACCTTGTCTCTGAAGCGTGTTCAGCCCTGTGCTTATTAAGAAGTCTCTGATACCTCCAAAGCCTTCATGGATA
TCATGTCAGCTCAGGCCAGCAGCGGCTCCACCTCTGTCTCCGATGGGTCTTCTGCTGCTGGCCACCCTTCTGC
GGAAGCAAGACCTGGAGGCCTGGGGCTACCCCGTGACCCTTCAGGTGTACCATGGGCTGCTGAGCTTCACGGTGC
ATCCCAAGCCCCAAGATCCGGAAGGCTGCCAGCATGGAGTATGCTCAGTCTCAAGGGCAGTGAATTGATGTTG
AAAAGGCCCCCTGCCCATCATCTGCTGCCATTTCCACTGCCAAGTCTGTCATCCAGGAGATTGAGAAGTCTGGAG
GCTCCAAGGAGGCCACCACCACGCTGCACATGCTGACGCTGCTGAAGGACCTGCTGCCCTGCTTCCCGGAAGGCC
TGGTGAAGAGCTGCAGTGAGACTCTCCTCAGGGTCATGACCTTGAGCCATGTGCTGGTGACAGCCTGTGCCATGC
AGGCCTTTTCACAGCCTCTTCCACGCCAGGCTGGCCTGAGCACCTGTGTCAGCAGAGCTCAACGCCCAGATCATCA
CGGCCCTGTACGACTATGTTCCAGTGAGAATGATTTACAACCCCTGCTAGCCTGGCTTAAGGTCATGGAGAAAG
CCCACATCAACCTGGTGAGGTTGCAGTGGGACCTGGGGCTAGGCCACCTCCCTCGCTTTTTTGGAACTGCGGTGA
CCTGCCTCCTTTCCCCACACTCGCAAGTGCTGACTGCTGCTACGCAGAGCCTCAAGGAGATCCTGAAGGAATGCG
TGGCTCCCCACATGGCTGACATTGGCTCCGTGACCTCCTCGGCCCTCAGGCCCTGCCCAATCTGTGCCAAGATGT
TCAGGGCAGTGGAGGAGGGCTGACGTACAAATTCCATGCGGCCCTGGAGCTCCGTGTTGCAGCTGCTGTGTCT
TCTTCGAGGCGTGTGGGAGACAGGCCACCCTGTGATGAGGAAGTGCTCCAGTCCCTGTGTGACCTGCGCCTCT
CCCCTCATTTCCCCCACAGGCGGCTCTTGACCAGGCAGTGGGGCTGCGGTGACCATGAGGACCTGAGGTGG
TGCTGCAGGCTGTGCCTTTGGAAATTGATGGCTCTGAGGAGACTCTGGATTTCACCGAGCTGGCTGCTGCCCTG
TCATCCGAGACCATGTTGAGGAAACGCGACTTGTTTTTTTACCACCTACTTCTTGCCCCCTGGCTAACACCTGA
AGAGCAAAGCCATGGACCTGGCTCAGGCAGGCAGCACAGTGGAAATCTAAGATCTACGACACACTCCAGTGGCAGA
TGTGGACACTCCTGCCTGGGTTCTGCACAAGGCCCTACAGATGTGGCCATCTCCTTCAAAGGGCTGGCAGGACGC
TGGGCATGGCCATCAGCGAGCGTCCAGACCTGAGGGTCACCGTGTGCCAGGCCCTGCGCACCCCTCATCACCAGG
GCTGCCAGGCAGAGGCTGACCGTGTGAGTGAGTGCCTTTGCCAAGAACTTTCTGCCGATCCTCTTCAACCTGT
ATGGGCAGCCCCGTGGCAGCCGGGACACTCCAGCCCCCTGCCGGGCTGTGCTGGAACCATCAGAACTTACCTCA
CCATCACTGACACTCAGTTGGTGAACAGTCTCCTGAAAAAGCCAGTGAGAAGGTGCTCGACCTGCCAGCTCTG
ACTTTTACCAGATTGTCTGCTGACCTGGTCTGTCGCTTTGGCTCCGTGTGCTGACGAAGCTGCCATCAGTAAGC
TATACTCCACCATCCGGCCCTACCTAGAGAGCAAGGCCACGGGTGCAGAAGAAGGCCTACCGAGTGTGGAGG
AGGTGTGTGCCAGTCTCAGGGCCCCGGGGCCCTCTTCTGTCAGAGCCACCTGGAGGACCTGAAGAAGACACTGC
TGGACTCGCTGCGGAGCACCTCCTCACC CGCCAAGAGGCCCGCTTTGAAGTGCCTCCTACACATCGTGAGGAAGC
TCTCAGCTGAACACAAGGAGTTCATCACTGCCCTCATCCCAGAGGTGATCCTGTGCACCAAGGAGGTGTGCGTGG
GCGCACGGAAGAACGCTTTTGCACTGCTCGTGGAGATGGGCCATGCTTTTCTAAGGTTTGGCTCGAACCAGGAAG
AGGCCCTGCAGTGCTACCTCGTCTGATCTACCTTGGCCTGGTGGGCGCGGTGACCATGGTCAGCTGCAGCATCC
TGGCCCTGACCCACCTCCTTTTTCGAGTTTAAAGGTCTGATGGGGACCAAGTACAGTGGAGCAGCTGCTGGAGAATG
TGTGCTGCTTCTGGCCTCCCGCACCCGTGACGTGGTCAAGTCTGCACTGGGCTTCATCAAGGTGGCAGTGA
TCATGGACGTGGCGCACCTGGCCAAACATGTGCAGCTGGTGTGGAAGCCATTGGGAAGCTTTCAGATGACATGC
GGCGGCACCTTCCGCATGAAGCTTCGGAACCTGTTTACCAAGTTTATCCGCAAGTTTGGATTGAGCTGGTGA
GGCTGTTGCCCGAGGAGTACCACAGAGTCTGGTCAACATCCGGAAGCTGAGGCCCGGGCCAAGAGGCACCGAG
CCCTGAGCCAGGCTGCCGTGGAGGAGGAAGAAGAGGAGGAGGAGGAGGAGGCCCGCCAGGGCAAAGGTGACA
GCATTGAGGAGATTTTAGCTGACTCAGAGGACGAGGAGGACAATGAGGAGGAGGAAGAAGCCGAGGCAAGGAGC
AGCGGAAGCTGGCACGACAGAGGAGCCGGGCATGGCTGAAAGAGGGCGGTGGGGACGAGCCCTCAACTTCTTGG
ATCCCAAGGTGGCCCAACGAGTCTTGGCCACGCAGCCAGGGCCAGGCCGGGGCAGGAAGAAGGACCACAGCTTCA
AGGTGAGCGCCGATGGCCGGCTGATCATAAGGGAGGAGGCAGACGGCAACAAGATGGAGGAAGAGGAAGGTGCCA

3276/6881
FIGURE 3024B

AAGGCGAAGATGAAGAGATGGCTGACCCAATGGAAGATGTGATCATCAGGAATAAAAAGCACCAGAAGCTCAAGC
ACCAGAAAGAGGCTGAGGAGGAGGAGCTGGAGATACCCCTCAGTACCAAGCTGGAGGCTCTGGCATTTCATCGCC
CTGTGGCCAAGAAGGCTATGCCTGGGGCTGAATACAAGGCCAAGAAAGCAAAGGTGATGTGAAGAAGAAAGGCC
GGCCGGATCCCTATGCCTACATCCCCCTCAACAGAAGCAAGCTCAACCGCAGGAAGAAGATGAAGCTGCAGGGAC
AGTTCAAAGGCCTGGTGAAGGCTGCCCCGGCGAGGTTCCAGGTGGGACACAAAAACCGCAGAAAGGATCGTCGAC
CCTGAGGCCCAGGGCCCCCTGGGCTGCCCTGTGGTCCAGTCTGAGGCCCTTTCAGCCCCCAGGCTGCCTTGCCACC
AGCTCCAGGTGCTCAAGATTCTGGCAGAGCCTGGACTCAGGATGACTTGGAAGTAGGGCTTGGCTCTCAGAAGTC
CTGGATTTTGGAAACTCCAAATGGAATCACCCCTCAGAGACATCCCTGGTGCCTGGAGATGGGAATGTGGCCTCA
GTGCCTCTGAGTAGGTGCCATGAGGCACCTTTGCTTTCTGCCCAGAGTGGCCATGAGCACCAGAACAGATGATCT
CCATTTCCGCCAGCTGCCTGTAGCCACGTGGCATCCTGCCTGTGGTCTGGGTGAGATTTACTGTGACCAGATGTA
GAATAAATGTGTCTCATCCTGCAAAAAAAAAAAAAAAAAAAAAAAAAA

3277/6881
FIGURE 3025

MGRSGKLP SGVSAKLRWKKGHSSDSNPAICRHRQAARSRFFSRPSGRSDLTVDVAVKLHNELQSGSLRLGKSEAP
ETPMEEEAELVLTEKSSGTFLSGLSDCTNVTF SKVQRFWESNSAAHKEICAVLAAVTEVIRSQGGKETETETEF
LMTTMEAVESPESLAAVAYLLNLVLRVPSVLIKKFSDTSKAFMDIMSAQASSGSTSVLRWVLSCLATLLRKQD
LEAWGYPVTLQVYHGLLSFTVHPKPKIRKAAQHGVCSVLKGSEFMFEKAPAHHPAAISTAKFCIQEIEKSGGSKE
ATTLHMLTLLKDLLPCFPEGLVKSCSETLLRVMTLSHVLVTACAMQAFHSLFHARPGSLTSLAELNAQI ITALY
DYVPSENDLQPLLAWLKVMEKAHINLVRLQWDLGLGHLPRFFGTAVTCLLSPHSQVLTAAATQSLKEILKECVAPH
MADIGSVTSSASGPAQSVAKMFRAVEEGLTYKFHAAWSSVLQLLCVFFEACGRQAHPVMRKCLQSLCDLRLSPHF
PHTAALDQAVGAAVTSMGPEVVLQAVPLEIDGSEETLDFPRSWLLPVIRDHVQETRLGFFTTYFLPLANTLKS
MDLAQAGSTVESKIYDTLQWQMTLLPGFCTRPTDVAISFKGLARTLGMAISERPDLRVTVQALRTLITKGCQA
EADRAEVS RF AKNFLPILFNLYGQPVAAAGDTPAPRRVLETIRTYLTITDTQLVNSLLEKASEKVLDPASSDFTR
LSVLDLVVALAPCADEAAISKLYSTIRPYLESKAHGVQKKAYRVLEEVCASPQGP GALFVQSHLEDLKKTLDSL
RSTSSPAKRPRCLKLHIVRKLSAEHKEFITALIPEVILCTKEVSVGARKNAFALLVEMGHAF LRFGSNQEEALQ
CYLVLIYPGLVGAVTMVSCSILALTHLLFEFKGLMGTSTVEQLLENVCLLLASRTRDVVKSALGFIKVAVTMDV
AHLAKHVQLVMEAIGKLSDDMRHFRMKLRNLF TKFIRKFGFELVKRLLP E EYHRVLVNIRKAEARAKRHRALSQ
AAVEEEEEEEEEEP AQGKGDSIEEILADSEDEEDNEEEERSRGKEQRKLARQRSRAWLKEGGGDEPLNFLDPKV
AQRVLATQPGPGRGRKKDHSFKVSADGR LI IREEADGNKMEEEEGAKGEDEEMADPMEDVI IRNKKHQKLKHQKE
AEEEELEIPPQYQAGGSGIHRPVAKKAMP GA EYKAKKAKGDVKKKGRPDYAYIPLNRSKLNRRKKMKLQGQFKG
LVKAARRGSQVGHKNRRKDRRP

3278/6881
FIGURE 3026

AAAGATTTGGGCGAGAACTTGCGCGGGAGCCGGACTGAGCGGTGCGAGCGCGCAGGCGCGGCCGACGGGGCGGGC
TGCTACTCCGGAATCTGCTAATCCCAGTCGGTGCCGCATCCCCAGCCCCGCCGATGGCCGCCCTACAAACTGGTG
CTGATCCGGGCACGGCGAGAGCGCATGGAACCTGGAGAACCCTTCAGCGGCTGGTACGACGCCGACCTGAGCCCG
GCGGGCCACGAGGAGGCGAAGCGCGGGCGGGCAGGCGCTACGAGATGCTGGCTATGAGTTTGACATCTGCTTCACC
TCAGTGCAGAAGAGAGCGATCCGGACCCTCTGGACAGTGCTAGATGCCATTGATCAGATGTGGCTGCCAGTGGTG
AGGACTTGCGCCCTCAATGAGCGGCACTATGGGGGTCTAACCGGTCTCAATAAAGCAGAACTGCTGCAAAGCAT
GGTGAGGCCAGGTGAAGATCTGGAGGCGCTCCTATGATGTCCCACCACCTCCGATGGAGCCCACCATCCTTTC
TACAGCAACATCAGTAAGGATCGCAGGTATGCAGACCTCACAGAAGATCAGTACCCTCCTGTGAGAGTCTGAAG
GATACTATTGCCAGAGCTCTGCCCTTCTGGAATGAAGAAATAGTTCCCCAGATCAAGGAGGGGAAACGTGTACTG
ATTGCAGCCCATGGCAACAGCCTCCGGGGCATTGTCAAGCATCTGGAGGGTCTCTCTGAAGAGGCTATCATGGAG
CTGAACCTGCCGACTGGTATTCCCATTGTCTATGAATTGGACAAGAACTTGAAGCCTATCAAGCCCATGCAGTTT
CTGGGGGATGAAGAGACGGTGCGCAAAGCCATGGAAGCTGTGGCTGCCCAGGGCAAGGCCAAGAAGTGAAGGCCG
GCGGGGAGGATACTGTCCCCAGGAGCACCTCCTGCCCCGTCTTGTCCTCTGCCCCCTCCACCTGCACATGTCA
CACTGACCACATCTGTAGACATCTTGAGTTGTAGCTGCAGACGGGGACCAGTGGCTCCCATTTTCATTTTAGCCA
TTTTGTCGCCTGCACCCACTCCCTTCATACAATCTAGTCAGAATAGCAGTTCTAGAGCACAGGTTCTCAGTCTAA
GCTATGGAAAAGCTCCCCCTTATCCAACAGAGTTTAAAAGTAGTGACTTGGGTTTTTGCAGAGTGCTTTGTTTACTA
AGGACTTTGGGGAGGAACCATGCTAAGCCATGACCAGTGAGGAGAAGCAACAGAGCCTGTCTGTCCCCATGAGCG
GAGTCTGTCTCTGCTCTTCTGCAGTCAGGTCACTGCCTACTGCCTGGGGGCTCTAGTCATTCCAGTGGAAGACG
AATGTAACCTGCGTGGTGATGTGACAACCTGTTTCTCCCTGACCCCAGAGGATCTGGCTCTAGGTTGGGATCAAT
CCTGAATTTTCGTTATGTGTTAATTTACTTTTTATTAAAAAAGTATAGTATATATAATAACAAAACAATAACCCCTTCT
GGGGTTTTCTTGTTGGCGGTTGAAATAGTCCCACATGTGGTCATCAGAAAAAAGCCATTCTCATACCAATATAGG
ATCAGCTCCTTGACCTCTGAGGGGCAGGAGTGCTTCCTGGTGTGTGTATTAGAATCCCTTCCTGCCTTGTTTCAT
GGCAGTGAAATGCCTCTTGGTCTGTCCAAGTGTATCTTTCACTGATTTCTGAATCATGTTCTAGTTGCTTGACC
CTGCCACATGGGTCCAGTGTTTCATCTGAGCATAACTGTACTAAATCCTTTTTTCCATATCAGTATAATAAAGGAGT
GATGTGCAAT

3279/6881
FIGURE 3027

MAAYKLVLRHGESAWNLENRFSGWYDADLSPAGHEEAKRGGQALRDAGYEFDICFTSVQKRAIRTLWTVLDAID
QMWLPVVRTWRLNERHYGGTLGINKAETAAKHGEAQVKIWRRSYDVPPPPMEPDHFPYSNISKDRRYADLTEDQL
PSCESLKDTIARALPFWNEEIVPQIKEGKRVLIAAHGNSLRGIVKHLEGLSEEAIMELNLPTGIPIVYELDKNLK
PIKPMQFLGDEETVRKAMEAVAAQGKAKK

3280/6881
FIGURE 3028

GGTTGAGGATGGGCTGGCGGCGGGTCCGGGTCCGCTGCCTGGCGCTGCGGGCGGCGGGGCCATGGTGGTTTGGATT
GAGCCGGGCCCCGGCCGGGGCGCCGAGTCGGAGGGGGTGGCAGTGAGCGGCGGCAGAGGCTACGGGGCTCGGTTTG
GCTGACTGGGGAGTCGGCAGGCGGCAGGAACCATGCGAGGCCAGCGGAGCCTGCTGCTGGGCCCCGGCCGCTCT
GCCTCCGCCTCCTTCTGCTGCTGGGTTACAGGCGCCGCTGTCCACCTCTACTCCGGGGTCTAGTACAGCGCTGGC
GCTACGGCAAGGTCTGCCTGCGCTCCCTGCTCTACAACCTCCTTTGGGGGCAGTGACACCGCTGTTGATGCTGCCT
TTGAGCCTGTCTACTGGCTGGTAGACAACGTGATCCGCTGGTTTGGAGTGGTGTTCGTGGTCCTGGTGATCGTGC
TGACAGGCTCCATTGTAGCTATCGCCTACCTGTGTGCTCCTGCCTCTCATCCTCCGAACCTACTCAGTGCCACGAC
TCTGCTGGCATTCTTCTATAGCCACTGGAATCTGATCCTGATTGTCTTCCACTACTACCAGGCCATCACCCTC
CGCCTGGGTACCCACCCAGGGCAGGAATGATATCGCCACCGTCTCCATCTGTAAGAAGTGCATTTACCCCAAGC
CAGCCCCGAACACACCACTGCAGCATCTGCAACAGGTGTGTGCTGAAGATGGATCACCCTGCCCCTGGCTAAACA
ATTGTGTGGGCCACTATAACCATCGGTACTTCTTCTCTTTCTGCTTTTTTCATGACTCTGGGCTGTGTCTACTGCA
GCTATGGAAGTTGGGACCTTTTCCGGGAGGCTTATGCTGCCATTGAGAAAATGAAACAGCTCGACAAGAACAAAC
TACAGGCGGTTGCCAACCAGACTTATCACCAGACCCACCCACCTTCTCCTTTGAGAAAGGATGACTCACA
AGAGTCTTGTCTACCTCTGGTTTCTGTGCAGTTCTGTGGCACTTGCCCTGGGTGCCCTAACTGTATGGCATGCTG
TTCTCATCAGTCGAGGTGAGACTAGCATCGAAAGGCACATCAACAAGAAGGAGAGACGTCGGCTACAGGCCAAGG
GCAGAGTATTTAGGAATCCTTACAACCTACGGCTGCTTGGACAACCTGGAAGGTATTCCTGGGTGTGGATACAGGAA
GGCACTGGCTTACTCGGGTGCTCTTACCTTCTAGTCACTTGCCCCATGGGAATGGAATGAGCTGGGAGCCCCCTC
CCTGGGTGACIGCTCACTCAGCCTCTGTGATGGCAGTGTGAGCTGGACTGTGTGTCAGCCACGACTCGAGCACTCAT
TCTGCTCCCTATGTTATTTCAAGGGCCTCCAAGGGCAGCTTTTCTCAGAATCCTTGATCAAAAAGAGCCAGTGGG
CCTGCCTTAGGGTACCATGCAGGACAATTCAAGGACCAGCCTTTTTTACCCTGCAGAAGAAAGACACAATGTGGA
GAAATCTTAGGACTGACATCCCTTTACTCAGGCAAACAGAAGTTCCAACCCAGACTAGGGGTGAGGCAGCTAGC
TACCTACCTTGCCAGTGCTGACCCGGACCTCCTCCAGGATACAGCACTGGAGTTGGCCACCACCTCTTCTACTT
GCTGTCTGAAAAAACCTGACTAGTACAGCTGAGATCTTGGCTTCTCAACAGGGCAAAGATAACCAGGCCTGCTG
CTGAGGTCACTGCCACTTCTCACATGCTGCTTAAGGGAGCACAAATAAAGGTATTCGATTTTTTAAAGAT

3281/6881
FIGURE 3029

TCGCGTTATGGCCGCTGCCGCGGCTGTGGAGGCGGCGGCCTATGGGTGCCCTATGGGGCCTCGTGACGACTT
CGTCGTGGGTGAGCAAGAGGGCCCCGCTGACCAGGTGGCTGCAGATGTGAAATCTGGCAACTATACAGTGTTACA
AGTTGTGGAAAGCCCTTGGGTCTCTCTAGAGAATCCAGAACCCCGAACTCGGGCAGCAGGAATCCAGCTTTTGTC
ACAGGTGCTACTCCACTGTACACCTTGCTCCTGGAGAAGGAAGTGGTACACCTGATACTGTTCTATGAGAACCG
GCTGAAGGACCATCATCTTGTGATCCCATCTGCTCCTGCAGGGTTTGAAGGCACTTAGCCTGTGTGTGGCCCTGCC
CCCAGGGCTGGCTGTTTCTGTGCTTAAAGCCATCTTCCAGGAAGTGCATGTACAGTCCCTGCCACAGGTGGACCG
ACACACAGTCTACAATATCATCACCATTATATGCGAACCCGGGAAGAAGAGCTAAAGAGCCTAGGAGCTGACTT
CACCTTTGGCTTCATCCAGGTGATGGATGGGAAAAGGATCCCCGTAATCTTCTGGTGGCCTTCCGCATCGTCCA
TGACCTCATCTCCAGGGACTATAGCCTGGGACCCTTTGTGGAGGAGTTGTTTGAAGTGACATCCTGTTATTTCCC
TATCGATTTTACCCCTCCACCTAATGATCCCCATGGTATCCAGAGAGAAGACCTCATCCTGAGTCTTCGCGCTGT
GCTGGCTTCTACACCACGATTTGCTGAGTTTCTGCTGCCCTGTTGATTGAGAAAAGTGGATTCTGAGGTTCTGAG
TGCCAAGTTGGATTCTCTACAGACTCTGAATGCTTGCTGTGCTGTGTATGGACAGAAAGGAAGTGAAGGACTTCCT
CCCCAGCCTTTGGGCTTCTATCCGCAGAGAGGTGTTCCAGACGGCAAGTGAGCGGGTGGAGGCAGAGGGCCTGGC
GGCCCTCCACTCCCTGACTGCGTGTGTTGTCTCGCTCTGTGCTGAGGGCTGATGCTGAGGACCTCCTTGACTCCTT
CCTTAGCAACATTCTACAGGACTGCAGGCACCACCTGTGTGAACCGGACATGAACTGGTGTGGCCTAGTGCAAG
CTGTTGCAGGCAGCTGCAGGTGCATCTGCCCGGGCTGTGACTCTGTACACGCAATGTACTGCCCTTTACTGCTG
GAACAGTTCCACAAGCACAGTCAGAGCAGCCAGCGGGGACAACTCTGAAATGCTCCTGGGTTTCTTGAAGCT
GCAGCAGAAATGGAGCTATGAAGACAAAGATCAAAGGCCTCTGAATGGCTTCAAGGACCAGCTGTGCTCACTGGT
ATTCATGGCTCTAACAGACCCAGCAGCCAGCTTCAGCTTGTGGCATCCGTACACTGACAGTCTTGGGTGCCCA
GCCAGATCTCCTATCTTATGAGGACTTGGAGCTGGCAGTGGGTACCTGTACAGACTGAGCTTCCTGAAGGAGGA
TTCCCAGAGTTGCAGGGTGGCAGCACTGGAAGCATCAGGAACCTGGCTGCTCTCTACCTGTGGCCTTCAGCAG
CCACCTCGTACCCAAGCTCGCTGAGGAGCTGCGTGTAGGGGAGTCAAATTTGACTAACGGAGATGAGCCCACCCA
ATGCTCCCGGCATCTGTGCTGTCTGCAAGCCTTGTGAGCTGTATCAACACATCCAGCATCGTCAAGGAGACACT
GCCTCTGCTGCTGCAGCATCTCTGGCAAGTGAACAGAGGGAATATGGTTGCACAAATCCAGTGACGTTATTGCTGT
CTGTGAGAGCCTCAGACAGATGGCAGAAAAATGTGAGGAGCCCTGAGAGTTGCTGGTATTTCACCAGACAGC
TATACCTTGCTGCTTGCTTGCTTGCTGAGGCTCTATGCCAGAGAAGGAGCCCTCAGTTCTGAGAAAAGTACT
ATTGGAGGATGAGGTGTTGGCTGCCATGGTGTCTGTCTATTGGCACTGCTACAACCCACCTGAGCCCTGAGTTAGC
TGCCCAGAGTGTGACACACATTGTGCCCTCTTCTTGGATGGCAACGTGTCTTTCTGCTGAAAACAGCTTCCC
GAGCAGATTCCAGCCATTCCAGGATGGCTCCTCAGGGCAGAGGCGGCTGATTGCACTGCTTATGGCCTTTGTCTG
CTCCCTGCCCTCGAAATGTGGAATCCCTCAGCTGAACCAACTCATGCGGGAGCTTTTGGAACTGAGCTGCTGCCA
CAGCTGCCCCCTTTCTTCCACCGCTGCTGCCAAGTGCTTTGCAGGACTCCTCAACAAGCACCCCTGCAGGGCAGCA
GCTGGATGAATTCCTACAGCTAGCTGTGGACAAAGTGGAGGCTGGCCTGGGCTCTGGGGCCCTGTGCTAGTCAGGC
CTTCACTCTTCTCTGCGTAAACAAAGGCCCTAGTGCTCAGATACCATCCTCTCAGCTCCTGCCTTACAGCCCG
GCTCATGGGCCTCCTGAGTGACCCAGAATTAGGTCCAGCAGCAGCTGATGGCTTCTCTGCTCATGTCTGACTG
CACTGATGTGCTGACTCGTGCTGGCCATGCTGAAGTGCGGATCATGTTCCGCCAGCGGTTCTTACAGATAATGT
GCCTGCTTTGGTCCAGGGCTTCCATGCTGCTCCCCAAGATGTGAAGCCAACTACTTGAAGGGTCTTTCTCATGT
ACTTAACAGGCTGCCCAAGCCTGTACTCTTGCCAGAGCTGCCCACGCTTCTTTTCTTGGTGTGAGGGCCCTGTC
CTGCCCTGACTGTGTGGTGCAGCTCTCCACCCTCAGCTGCCTTACAGCTCTTCTACTGGAAGCACCCCAAGTCAT
GAGTCTTACAGTGACACCCCTCGTCACCAAGTTTCTGAACCTCAGCTCTAGCCCTTCCATGGCTGTCCGGATCGC
CGCACTGCAGTGCATGCATGCTCTCACTCGCCTGCCCACCCCTGTGCTGCTGCCGTACAAACCACAGGTGATTG
GGCCTTAGCCAAACCCCTGGATGACAAGAAGAGACTGGTGCAGCAAGGAAGCAGTGTGAGCCAGAGGGGAGTGGTT
TCTGTTGGGGAGCCCTGGCAGCTGAGCCCTCAGTCTGGCCTAGACTGTTCTGACAATCTAACCTGGGATTACTA
ACTGTTGAGCCATCTTCCCCAAAGCAGGGAAACCACTGGTCTCTGACTGCCTTTCCACAGACACAGCACAAATG
CTAGGCCCTCTGTTGCATGGCTGTACAAAGAACATAAGAGTCCATATTTCTAGTGGATTGTAAAATAAGTGTGTG
TGAGACACTTGCGTTTGAAGAAAGATCTAGGGTCTGGGTCTCTTGCAATTTATATGTCAGAAAAGGGCGATATG
CTGCTGAGGGGTGAGTGATATGAGTGTGGCCCTGAGGACCAGGGCTGGCAGATGTTGTCTACCTGCTGAG

3282/6881
FIGURE 3030

MAAAAVEAAAPMGALWGLVHDFVVGQQEGPADQVAADVKSNGYTVLQVVEALGSSLENPEPRTRARGIQLLSQV
LLHCHTLLLEKEVVHLILFYENRLKDHLVIPSVLQGLKALSLCVALPPGLAVSVLKAIFQEVHVQSLPQVDRHT
VYNIIITNFMRTREEELKSLGADFTFGFIQVMDGEKDPRNLLVAFRIVHDLISRDSLGPVFVEELFEVTSCYFPID
FTPPPNDPHGIQREDLILSLRAVLASTPRFAEFLPLLLIEKVDSEVLSAKLDSLQTLNACCAVYGQKELKDFLPS
LWASIRREVFQTASERVEAEGLAALHSLTACLSRSVLRADAEDLLDSFLSNILQDCRHHLCPEMDKLVWPSASCC
RQLQVHLPGPVTLSAMYCLYCWNSSSTSTVRAASGGTILEMLLGFLKLQKWSYEDKDQRPLNGFKDQLCSLVFM
ALTDPSTQLQLVGIRTLTVLGAQPDLLSYEDLELAVGHLYRLSFLKEDSQSCRVAALEASGTLAALYPVAFSSHL
VPKLAELRVGESNLINGDEPTQCSRHLCCQLALSASTHPSIVKETLPLLLQHLWQVNRGNMVAQSSDVIQVQ
SLRQMAEKCQQDPESCWYFHQTAIPCLLALAVQASMPEKEPSVLRKVLEDEVLAAMVSVIGTATTHLSPELAAQ
SVTHIVPLFLDGNVSFLPENSFPSRFQPFQDGSSGQRRLLIALLMAFVCSLPRNVEIPQLNQLMRELLELSCCHSC
PFSSTAANKCFAGLLNKHYPAGQQLDEFLQLAVDKVEAGLGSGPCRQAFULLWVTKALVLRHPLSSCLTARLM
GLLSDPELGPAAADGFSLLMSDCTDVLTRAGHAQVRIMFRQRFQTDNVPALVQGFHAAPQDVKNYLKGLSHVLN
RLPKPVLLPELPTLLSLLLEALSCPDVQVQLSTLSCLQPLLEAPQVMSLHVDTLVTKFLNLSSSPSMAVRIAAL
QCMHALTRLPTPVLLPYKPVIRALAKPLDDKKRLVRKEAVSARGEWFLLGSPGS

3283/6881
FIGURE 3031

CGCTGCTTAGGCTCCGCGGCCTCCAAGCTGTAGCTATGACGGCGCGCGGGACTCCGAGCCGCTTCTTGGCCAGCG
TTCTCCACAACGGAAGTGGGTGCTATGTGCAGCAGCTGCAGCGTCTGAGCTTCAGCGTCAGCCGCGACGGCGCCT
CGTCTCGCGGCGCCAGGGAGTTCGTGGAGCGGGAGGTGATCGACTTCGCCCCGACGGAATCCAGGGGTCGTAATAT
ATGTAAACTCGCGTCCGTGCTGCGTGCCAGAGTAGTGGCCGAATACCTTAACGGGGCTGTGCGCGAGGAGAGCA
TCCACTGCAAGTCGGTCGAGGAGATCTCGACGCTGGTGCAGAAGCTGGCCGACCAGTCGGGCTTGGACGTGATCC
GCATCCGCAAGCCCTTCCACACCGACAACCCTAGCATCCAGGGCCAGTGGACCCCTTCACCAACAAGCCGACCAC
GTTCCGCGGGCTACGCCCCGAGAGGTTTCAAGGATCCTGCCCCAGCCAGGTGCAAGCACAGTGAAGAGTTGCCCC
ACCAACTGCAGCCCCAGGCTTTGGACTGTTACTCCGGTAAAGGTGGTTCTTCCCCTTTGGGATTCCAAGCCCAGG
CAAATGGAACCCATCAATGGGCAAGTTGACAGAGGTTCTGCTTGGGATAATGAAGAGCTGCCTGTTTCTTTCCAG
TGCTTCTTCTGGGGGCAGTGACCTTGTGAACCACTCATTTTTATGCAAGTGGCATCCCTAAACCTGAGATGAG
GAAGACTTCAAGGGTTTTACAGGGCCCTTGTTTTTTAAATCCAAATTGATAATAATGATCTCAAACACAGTGAG
AGGTCTGAAGGCTGGCTTCTGAAGAATCCCTGATGTCTTATTGGAACAACCACTGAGCTACGGAGAGCTCTGCTG
TGATGGGCTAGGCACTTTATATCTGTGTGAATACAGATTTATAAAACAGGTTAATAAACTTATCCAAGGTCA

3284/6881
FIGURE 3032

MTARGTPSRFLASVLHNLGRYVQQLQRLSFSVSRDGASSRGAREFVEREVIDFARRNPGVVIYVNSRPCCVPRV
VAEYLNQAVREESIHCKSVEEISTLVQKLADQSGLDVIRIRKPFHTDNPSIQGQWTPSPTSRPRSAGYAPERFRI
LPQPRCKHSEELPHQLQPQALDCYSGKGGSSPLGFQAQANGTHQWAS

3285/6881
FIGURE 3033

CTGATCAGGAGGAGGTTTCTAGCTGGCTGATACAATGTTTGGCCTTACCAAGGTTACAGATGACACACTCAAGCGTT
TCAGTGTGCGATATCTGCGACCTGCTCGCAGTCTTGTCTTCCCTTGGTTCTCCCTGGGGGTTTCAGGATTACGAG
GCCTGAAGCTCCTAGAGGCTAAATGCCAGGGGGATGGAGTGAGCTACGAGGAAACCCTATTCCCGACCCAGCG
CCTACCACAATCTGTTTGGATTACCACTGATTAGTCGTCGAGATGCTGAGGTGGTACTGACGAGTCGTGAGCTTG
ACAGCCTGGCCTTGAACCACTCCACGGGGCTGCCTACCCTTACTCTACCCCGAGGAACGACCTGCTTACCCCTG
CCTTACTCCCTTACCTGGAACAGTTCCGGCGGATTGTATTCTGGTTGGGGGATGACCTTCGGTCTCGGAAGCCG
CCAAGTTGTTTGCACGAAAACCTGAACCCCAAACGATGCTTCTTGGTGCGACCAGGAGACCAGCAACCCCGTCCCC
TGGAGGCCCTGAACGAGGCTTCAATCTTTCTCGTATTCTTCGTACCGCCCTGCCTGCCTGGCACAAGTCCATCG
TATCTTTCCGGCAGCTTCGGGAGGAGGTGCTAGGAGAACTGTGCAATGTGGAGCAAGCAGCTGGCCTCCGCTGGA
GCCGCTTTCAGACCTCAATCGTATCTTGAAGGGACATCGAAAGGGCGAGCTGACGGTCTTCACAGGGCCAACAG
GCAGTGGAAAGACGACATTCATCAGTGAGTATGCCCTGGATTTGTGTTCCAGGGGGTGAACACACTGTGGGGTA
GCTTCGAGATCAGCAATGTGAGACTAGCCCGGCTCATGCTGACACAGTTTGGCGAGGGGCGGCTGGAAGATCAAC
TGGACAAATATGATCACTGGGCTGACCGCTTGGAGACCTGCCCTCTATTTTCATGACTTTCCATGGACAGCAAA
GCATCAGGACTGTAATAGATACAATGCAACATGCAGTCTACGTCTATGACATTTGTATGTGATCATCGACAACC
TGCAGTTCATGATGGGTACGAGCAGCTGTCCACAGACAGGATCGCAGCTCAAGACTACATCATCGGGGTCTTTC
GGAAGTTTGCAACAGACAATAACTGCCATGTGACACTGGTCATTACCCCCGAAAAGAGGATGATGACAAGGAAC
TGCAGACAGCGTCCATTTTTGGCTCAGCCAAAGCAAGCCAGGAAGCAGACAATGTTCTGATCCTGCAGGACAGGA
AGCTGGTAACCGGGCCAGGGAACGGTATCTGCAGGTGTCCAAGAACCCTTTGATGGAGATGTAGGTGTCTTCC
CGCTTGAGTTCAACAAGAACTCCCTCACCTTCTCCATTCCACCAAAGAACAAGGCCCGGCTCAAGAAGATCAAGG
ATGACACTGGACCAGTGGCCAAAAGCCCTCTTCTGGCAAAAAGGGGGCTACGACACAGAACCTCTGAGATTTGCT
CAGGCCAGGCCCTTCCGACCAGCCAGACACCTCCAAGCGTTCAAAGTGAAGGCCGTGCAGAGCTGGTCACT
GAAATGAGCCTGATAGGATAGGCTGGAGCATAAACTCTGCAAGGGCTCCTCTATCCTGTGGTCTGAGCTGTGT
GCCCTTCTCAGTCTGAGGGGCTAACCTAGAGCAGGTTTCCATAGTGAGAAAATTCAATGTAGCAGACTACTGAG
AAACTACTGTGTGCTCAGGCTTTGTTTGGGTCTGTATATACAGCACTGAAAAGAGAGATAAAGTCCCTGCCT
GCATGCATTCTGGCGGAAGAGACAAGCAAGCAATGAACAAATTAGCAGAAAACCTAGTTTTAGTGAAAAATGCTG
TAAAGAAAATAGAAATGCGATAGAGTGCTGGCAGGCTAGTGTAGATAAGTGGTCTGAAAAGGTGTCTCTGAGCCG
AGGGCATGTGAGCTGGGGCTAAACAACCTAGAAGGAGAGAGCCACGTGAACATCCGGCGAAGGGGACCCAGGCAG
AGAGAAAAGGAAATCCAAGCCCTGAGGTAGGAATGAGCAGGTCAGATTCAAGGCAGTGAGGTCAGGCCGATGAA
CCTGGAGGGGAATCGGGGACTTCATGCGAACTCCAGCCTAGGCTTTCAAAGTCAAAGGGTGATACAGTGGGTAC
CAAGCTCCTCTGCTCCCCACTTTGTAGAGCCTAGCATGAGGTGGCATGTACTAGAATTGGATCCTAGGTGCTTAG
CCCTGCAATATCAGGGCCTCACTGGTGGGAGCTGCCTCGGGCTGGGTGCTTGGTCATAGAGCCATAGAAGGAAG
CTGTGAGCCCGGAGTGCTGCCACCTAGACACTGATGCCATTGTGTGCTGCCTCAAGACTGCTGGAGTCAGGACA
TTTTATAGAGCCTTTTCCAGTTTACTAAAAAATTTTCCATTGAAAAAAAAAAAAAAAAAAAA

3286/6881
FIGURE 3034

MFGLTKVTDDTLKRFSVRYLRPARSLVFPWFSPGGSGLRGLKLLLEAKCQGDGVSYEETTIPRPSAYHNLFGLPLI
SRRDAEVVLTSSRELDLALNQSTGLPTLTLPRTTCLPPALLPYLEQFRRIVFWLGDDLRSWEAAKLFARKLNPK
RCFLVRPGDQQPRPLEALNGGFNLSRILRTALPAWHKSIVSFRQLREEVLGELSNVEQAAGLRWSRFPDLNRILK
GHRKGELTVFTGPTGSGKTTFISEYALDLC SQGVNTLWGSFEISNVRLARVMLTQFAEGRLEDQLDKYDHWADRF
EDLPLYFMTFHGQQSIRTVIDTMQHAVYVYDICHVIDNLQFMMGHEQLSTDRIAAQDYIIGVFRKFATDNNCHV
TLVIHPRKEDDDKELQTASIFGSAKASQEADNVLILQDRKLVTPGPKRYLQVSKNRFDGDVGVPFLEFNKNSLTF
SIPPKNKARLKKIKDDTGPVAKKPSSGKKGATTQNSEICSGQAPTPDQPDTSKRSK

3287/6881
FIGURE 3035A

GCGGCCGCCGCCGCCGTGGCCCTTTGTGCTGGAACAATGACCAGCTGCCGCTGGCCCCGGGGCCCCGGCTGGG
GTTGAGGGTGACCACCGCCGCCGCCGCTCGAGCCGAACCGAGCCCCAGACACGCAGTCACAGGGCGTCGGAGG
GAGGGCTCCCGACTGCCGCCGAGCAGCCCCCTACGTGCGCCCCGGCGGATTTCGCGTGACGCGGGTGCTTGCGCGTG
TCCGCGCCCCGGGGCGGAGACGCCCCCTCGGACCCTCCCCTGCGCGGTGCCGCCACTCGCACCGGGCGGGGGCTG
GCCAGGGCCGGGGCGCCGCCGAGGCGGAGGCGGGGCTGGGCCGGGCAGCTCCGAGTGCGCGCGCGCGGGCCAGG
GCCGGGGCCGGGGCCGGGGCCGAGCCGGAGCCGGGGCCGGGGCGGCGCGCTGTGGAGCGCTGGGGGCGGCCITGG
GGCTGAGCATGGAGCAGCGCGCGGAGGTGAGGGGGCCGGGTCTGGGAGGCGGCTGGGGAGCCCCAACTTAT
GCGCGGTGGAATCCAGCCGGGGGACGCGCTTCCCCAGTCGCCCCCACTTTCTGGAAGGGGGCTGGACTCTGGA
GAATGGGTGAGGGGCTCCTGGCTTCCCGCCGAGAATGGGAACCTCGTGATCGCAGACTTGACCCCGCTTGACTGG
TCCTTGAGAGTTTGGGTGGGAGGAGACTTTCCCCAACTCTTCAGATCCGTCTCCGGCCCTGAACCAGCTCCAGCC
CTCTGCTCTCCTCAGCCCACTAAAAGGGGGGTGCTCCTGGGCCAGAGTGATTGCTCAGGGAGTGCTGGGGAGAAT
GAGGGGTTCCCATCTCCACAGCCACAAACGCATTTCTCAAATGGAGCCTCCACTTGCCCCCTCCTTCTCTTTCG
GGCTCCAAGAGCGGGAGCCGGCCTGGCTGGGCTGGCTTTCCAGACTCCTGGCTCTGGCTCCCTGGATGTGTGGC
TCTCAGGGCCCCGGCTCTGTGGCACTTTGGACTTATGGGCCCTCGGCTCCGTGGGGTTGGGGGGCCCTGGCTCACT
GGGTCCCCTGGCTGTCCCCTTGTGCGCCTGACCCCTCGGGCCTCTCCGAGTCTTTGTCTCTTTTGGGTCCCTGTC
TTTCTCTGAGCCTGTCTCCTTCTTCAATTTTCACTTTCTCCGTGCTCGCTGAAGTGGGGAATGCAACAGAGGT
GCCAGCCCCCTTGCCCCCTAAGAAGTCCCTTCCCCACTGTTCACTCCACACCCTGGAGTGGGGCCAGAGAGGGG
AGGGGAGGGGGTTCTCTATCTGCTCTGCTGGGGGCTGGGGTGTGTGGGGTGGTCTGAGCCCCAGCCCTACAGAGG
GGCCTGTGGTCACTCCCTGCTCCTGGCCTACCCCTCCCCCAGCTCCCCCGAGCTCCTGCCCCAGCGTGGACACCT
CTTCTGGTTTCGAGTGTCTTTTGACTTGGGTGGGAAGGAGGGCGGTGGATTAAATGGAGGGCATGCGAGAAAGA
AGGGGAACAGATCAGGCAAAGGAGTTAGATAATGTCCACCTCTCCCCACAGCCGAAGAGAGAAGGAAACAGGC
TCCCCCACCATGGGCCCTCAAGCCACCCAGGCTCCCACTCTCATACCTGCGTGCCACGTTACAGGCTC
CACTGCACCACTCACCTTCTAGTCACACACAAACACAGGAGCTCACACATAAACTCATGAACCTTACTGACAAGT
CTGTCCAGGCACCGTCTCTCCACACACCACAAATCACTTGTTAGATCCACATTTATAACTTTACAGGCTTTC
TAATGACCCCTGATCCACATACTCTTCTAAGATATACACATGTGAATTCACACATGAACCTCATATGTATGTGAAT
GAAGTATATATCAAACATGCATAGACTCACATGATGTTTTCACACACATTTTCATACACAGTGTTCATTTTCA
TGCTCCTGTGCATGTAGTCACACAACAAATAACTAAATGCACACACTCCTACTCCCAGTGCAATTCTCTGTCCAC
TTCTTGGCCCCGCTCTGCATGATGACTTCAGCAGATGCCTAAGTCCTGGTCATCAGCGGCTCGGGACTGGGACT
AGGGAGGGGGTTCCGGGTGGAGGCTTGCAGCTGCTTCCAGGAAGGAGCAGAGCCTGGGGAGGTGGAGCCCTCTTG
CCTGGGCTCTGTGGAAGTGAGGTTTTGGAGCAGCCTCCAGAGGTGAAGGCAGGGCATCTACCTTCTCCCTCAG
GGTTAGTTTGGGGACCTTCTGAAGCTGTAGGGTTTCAGAGAGGTGGCAGTGGGGCAGAGCCTGTGGAGGCTCCT
TCAGGCCCTCAGGCCTCACCATTGGGTGTGCAGAGGCTAGGAGTTGTCATGGAACTGGTATGAGCCTGCATCC
ACCTCTGGGAGGCAGGAGACCCCAAAGGACACCTGTGGACTCCCTAAGAGCCGCGGGTTTCTTATTTAGCCAGAT
CGACAGAGAGGCAGTTTAGCCGCCTTCTGTCTGAGAGAACTGAGGCCCCAGCAGAGGGAGGCAGGGCACTGCCT
GGCCTTGGCTCTTTGTTCCCTAATTACCATCTGAGGTGCTGATTGCACCCCTGAGGTACCTCTGCCCAAAGTGCC
CTGTAATGAGGCCACCTGGCTGAGAGGACCAGGGACCTGTGCTTCAAGCTGGTAGAGAAGGCCCTCCCTCACCT
GAGTCCTGGCCTCTGTGGAGGATGCAGGATTGGGCTTGGGCCTGGGTCTTTGCTGCCAGGTGGCCCTGCGGTAAT
CATCCAGGCCTCCCATGCCTCTCAGCATCTCTGCTGAGTGAATCACTCCTCAGCCCTGTTTACAGACCAGCATTGG
GCAGTGTGGTTTGGGGCCAGGGGGAATTGAGATTCAATCCAGCACTTGAAGGGGGAGTCTTGGTGGGGATCAGG
GCTTGTACTGATGTCAAGGAGGTGTTTGGTCAGGATCAGTGGGTGAGGAGGGTCTCAAGGTGGAGGGACTCTG
ACACCACTGCCCTGCTTACAGGTGCGCTGCGAGGCCGCTGGCCAGGCCTGAGCCTCTGCCACCATGGCCATTGTG
CAGACTCTGCCAGTGCCACTGGAGCCTGCTCCTGAAGCTGCCACTGCCCCACAAGCTCCAGTCAATGGGTAGTGTG
AGCAGCCTTATCTCAGGCCGGCCCTGTCCCGGGGGCCAGCTCCTCCCCGCCACCACGGCCCTCCTGGGCCACC
TTCTTCCGCCAGCAGGATGGCCTGCTACGGGGTGGCTATGAGGCACAGGAGCCGCTGTGCCAGCTGTGCCCCCT
AGGAAGGCTGTCCCTGTCAACAGCTTACCTACATCAATGAGGACTTCCGGACAGAGTCACCCCCAGCCCAAGC
AGTGATGTTGAGGATGCCCGAGAGCAGCGGGCACACAATGCCACCTCCGCGGCCACCACCAAGCTCATCCCT
GTCTCTGGAAGCTGGAGAAGAATGAGAGAAGATCCTGATCCGCCCAACAGCCTTCAAGCCAGTGCTGCCCAAA
CCTCGAGGGGCTCCGTCCCTGCCTAGCTTCATGGGTCTCGGGCCACCGGGCTGTCTGGGAGCCAGGGCAGCCTG

3289/6881
FIGURE 3036

MGSVSSSLISGRPCPGGPAPPRHHGPPGPTFFRQQDGLLRGGYEAQEPLCPAVPPRKAVPVTSTFTYINEDFRTESP
PSPSSDVEDAREQRAHNAHLRGPPPKLIPVSGKLEKNMEKILIRPTAFKPVLPKPRGAPSLPSFMGPRATGLSGS
QGSILTQLFGGPASSSSSSSSSSAADKPLAFSGWASGCPSTLSDSGRNSLSSLPTYSTGGAEP T TSSPGGHLPSH
GSGRGALPGPARGVPTGPSHSDSGRSSSSKSTGSLGGRVAGGLLGSGTRASPDSSSCGERSPPPPPPPSDEALL
HCVLEGKLRDREAELQQLRDSL DENEATMCQAYEERQRHWQREREALREDCAAQAQRAQRAQQLLQLQVFQLQQE
KRQLQDDFAQLLQEREQLERRCATLEREQRELGPRL EETKWEVCQKSGEISLLKQQLKESQAE LVQKGSELVALR
VALREARATLRVSEGRARGLQEAARARELELEACSQELQRHRQEAEQLREKAGQLDAEAAGLREPPVPPATADPF
LLAESDEAKVQRAAAAGVGGS LRAQVERLRVELQRERRRGEEQRDSFEGERLAWQAEKEQVIRYQKQLQHNYIQMY
RRNRQLEQELQQLSLELEARELADLGLAEQAPCICLEEITATEI

CTGCTGGTAAGTGGTCTATTCTCTGCCACACCCCGGGTGACTAGCTTGCGCCAGTAGTCGACCCCAACCCGGGGACCG
ACTCTGGGGGTTGGAGAGACTCTTGGGGCCGGGGTCGGGCACTCCAGCTTTCTTCTAGCCCCGAGCTGGGATTCC
CTGGCCTGCGCCAGCTGCGTACACGGCGAGTACACCGCACCTGCCCGGGACTTCACCCGAGCTGCGAGACTCCT
CCATTCCCGAGGGGCTCCCCACACCTGCTGCGGCCGTGCCCATCTCCCCGAGCTGCGGCGCTGAGCACCCCCA
TGTCGAGAGGCTGAGACCAGGACAGCAGCCCTGACCAACGCTCCAATAGGCCGGGATCCAGCCATACTTCAATGG
ATCCAGGGGTATCTTGAAGGCATTTCCCAAGCGGCAGAAAAATTCATGCTGATGCATCATCAAAAGTACTTGC
AGATTCTTAGGAGGGAAGAGGGAGAAGAAGCAGAAGAGTGGCTGAGCTCCCTTCGGGCCCCATGTTGTGCGCACTG
GCATTGGACGAGCCCGGGCAGAACTCTTTGAGAAGCAGATTGTTTACGATGGCGGCCAGCTATGCCCTGCCCAGG
GCCAGGTGTCACTCACATTGTGGTGATGAAGGCATGGACTATGAGCGAGCCCTCCGCTTCTCAGACTACCC
AGCTGCCCCCGGGTGCTCAGCTGGTGAAGTCAGCCTGGCTGAGCTTGTGCCTTCAGGAGAGGAGGCTGGTGGATG
TAGCTGGATTACGATCTTCATCCCCAGTAGGTACTTGGACCATCCACAGCCAGCAAGGCAGAGCAGGATGCTT
CTATTCTCTCTGGCACCCATGAGGCCCTGCTTCAGACAGCCCTTTCTCTCTCTCTCTCTCCACCAGGCCCTGTGT
CTCTCCCCAAAAGGCAAAAGAGGCAACAAACACCAAGCCAGCCCATCTCTGATGATGAAGCCAGTGATGGGG
AAGAAACCCAGGTTAGTGCACTGATCTGGAAGCCCTCATCAGTGGCCACTACCCACCTCCCTTGAGGGAGATT
GTGAGCCTAGCCAGCCCTGCTGTCTGGATAAGTGGGTCTGTGCACAGCCCTCAAGCCAGAAGGCGACCAATC
ACAACCTCCATATCACAGAGAAAGCTGGAAGTTCTGGCCAAAGCCTACAGTGTTTCAGGGAGACAAGTGAGGGGCC
TGGGCTATGCCAAGGCCATCAATGCCCTCAAGAGCTTCCATAAGCCTGTACCTCGTACCAGGAGGCCCTGCAGTA
TCCCTGGGATTGGGAAGCGGATGGCTGAGAAAAATCATAGAGATCCTGGAGAGCGGGCATTTCGGGAAGCTGGACC
ATATCAGTGAGAGCGTGCTGTCTTGAGCTCTTCTCCAACATCTGGGGAGCTGGGACCAAGACTGCCCAGATGT
GGTACCAACAGGGCTTCCGAAGTCTGGAAGACATCCGCAGCCAGGCCCTCCCTGACAACCCAGCAGGCCATCGGCC
TGAAGCATTACAGTGACTTCTGGAACGTATGCCAGGGAGGAGGCTACAGAGATTGAGCAGACAGTCCAGAAAG
CAGCCCAGGCCCTTTAACTCTGGGCTGCTGTGTGTGGCATGTGGTTTCATACCGACGGGGAAAGGCGACCTGTGGTG
ATGTCGACGTGCTCATCACTCACCCAGATGGCCGGTCCACCCGGGGTATCTTCAGCCGCTCCTTGACAGTCTTC
GGCAGGAAGGGTTTCTTCACAGATGACTTGGTGAGCCAAGAGGAGAATGGTCAGCAACAGAAGTACTTGGGGGTGT
GCCGCTCTCCAGGGCCAGGGCGGCGGCACCGCGCCTGGACATCATCGTGGTGCCCTATAGCGAGTTTGCCTGTG
CCCTGCTCTACTTCACCGCTCTGCACACTTCAACCGCTCCATGCGAGCCCTGGCCAAAACCAAGGGCATGAGTC
TGTCAGAACATGCCCTCAGCACTGCTGTGGTCCGGAACACCCATGGCTGCAAGGTGGGGCCTGGCCGAGTGCTGC
CCACTCCCACTGAGAAGGATGTCTTCAGGCTCTTAGGCCTCCCTACCGAGAACCTGCTGAGCGGGACTGGTGAC
CCATGGCTGGGGGTGCTGAGGAGAGCCGAGTTGGACTGGCTACCCCTCCTGGCCACCCAGTACTCCCTCCAGCCT
CAGCTGGCTGAACCTCGCCGCTCCAACCACCAGCTTCTCAGCGAGCAGGGCCCAAGGGCTCTGGGCCTGAAGCAA
GAGCCAGCCCGGCTCCAGTGCTGTGCCCGGCTCCAGTGCTGTGCCCAGCCCTCTCCAGACAGGAGCAGGCTGCC
ACCCCTTCTACCTCACCCTGCCCCCTCGAAGAATTTTGCAAATGGCCCTTGCCCCATTTTAAGCAGGAGCAGGT
GGCTGGTTTGAAGCCCCAGGTATCCCCCTTCCCTGCTATGGGAAAGGCCAAGCTGCTGGGTGGGGACAGAAGCTG
CAGGGGAGAGGGAAGCAGCCGTGCTGTCAACATCATCCGGCACCCCTCTGGGGTAGGAGAACAGCCATTCCACATG
GTTTCCCTCTATCCGTCTGCTTCTTGGGCAGCTGGTGGTGCTGGGAATGGGGTGCCCCAGCCTTGGTGAGGACA
GTGTTGGGAGGCCCAAGGGGCCAGTAAAGTGCAATTTGACATTGAAAAAAAAA

3291/6881
FIGURE 3038

MDPRGILKAFPKRQKIHADASSKVLAKIPRREEGEEAEWLSSLRHVVRTGIGRARAELFEKQIVQHGGQLCPA
QGPGVTHIVVDEGMDYERALLRLPQLPPGAQLVKSAWLSLCLQERRLVDVAGFSIFIPSRYL DHPQPSKAEQD
ASIPPGTHEALLQTALSPPPPPTRPVSP PQAKEAPNTQAQPI SDDEASDGEETQVSAADLEALISGHYPTSLEG
DCEPSPAPAVLDKWVCAQPSSQKATNHNH LHITEKLEVLAKAYSVQGDKWRALGYAKAINALKSFHKPVTSYQEAC
SIPGIGKRMAEKIIEILESGLRKL DHI SESVPVLELFSNIWGAGTKTAQM WYQQGFRSLEDIRSQASLT TQQA I
GLKHYSDFLERMPREEATEIEQTVQKAAQAFNSGLLCVACGSYRRGKATCGDVDVLITHPDGRSHRGIFSRL LDS
LRQEGFLTDDLVSQEENGQQQKYLGV CRLPGPGRRHRRLDIIVVPYSEFACALLYFTGSAHFNRSMRALAKTKGM
SLSEHALSTAVVRNTHGCKVGPGRVLP TPTTEKDVFRLLGLPYREPAERDW

3292/6881
FIGURE 3039

ATGGCGGCGGCGGCCGGGGAGGAGGAGGAGGAGGAGGAGGAGGCGGCTCGGGAGTCGGCTGCCCGCCCGGCCGCGGGG
CCTGCGCTCTGGCGCCTGCCGGAGGAGCTGCTGCTGCTCATCTGCTCCTACCTGGACATGCGGGCCCTCGGCCGC
CTGGCCCAGGTGTGCCGCTGGCTGCGGCGCTTCACCAGCTGCGATCTGCTCTGGCGCCGGATAGCCCGGGCCTCG
CTCAACTCCGGCTTCACGCGGCTCGGCACCGACCTGATGACCAGTGTCCCAGTGAAGGAACGAGTGAAGGTGTCT
CAGAACTGGAGACTGGGGCGCTGCCGAGAGGGGATTCTGCTGAAGTGGAGATGCAGTCAGATGCCCTGGATGCAG
CTAGAGGATGATTCTCTGTACATATCCCAGGCTAATTTTCATCCTGGCCTACCAGTTCCGTCCAGATGGTGCCAGC
TTGAATCGTCGGCCTCTGGGAGTCTTTGCTGGGCATGATGAGGACGTTTGCCACTTTGTGCTGGCCAACTCGCAT
ATTGTTAGTGCAGGAGGGGATGGGAAGATTGGCATTCTAAGATTACAGCACCTTCACTGTCAAGTACTCGGCT
CATGAACAGGAGGTGAACTGTGTGGATTGCAAAGGGGGCATCATTGTGAGTGGCTCCAGGGACAGGACGGCCAAG
GTGTGGCCTTTGGCCTCAGGCCGGCTGGGGCAGTGCTTACACACCATCCAGACTGAAGACCGAGTCTGGTCCATT
GCTATCAGCCCATTACTCAGCTCTTTTGTGACAGGGACGGCTTGTTGCGGGCACTTCTCACCCCTGAGAATCTGG
GACCTCAACAGTGGGCAGCTGATGACACACTTGGGCAGTGACTTTCCCCAGGGGCTGGGGTGCTGGATGTCATG
TATGAGTCCCCCTTTCACACTGCTGTCCTGTGGCTATGACACCTATGTTGCTACTGGGACCTCCGCACCAGCGTC
CGGAAATGTGTCAATGGAGTGGGAGGAGCCCCACGACAGCACCTGTACTGCCTGCAGACAGATGGCAACCACCTG
CTGGCCACAGGTTCTCCTACTACGGTGTGTGACGGCTGTGGGACCGGCGTCAAAGGGCCTGCCTGCACGCCTTC
CCGCTGACGTGCACTCCCCTCAGCAGCCCTGTGTACTGCCTGCGTCTCACCACCAAGCATCTCTATGCTGCCCTG
TCTTACAACCTCCACGTCTGGATTTTCAAACCCATTGA

3293/6881

FIGURE 3040

MAAAAGEEEEEEAARESAARPAAGPALWRLPEELLLIICSYLDMRALGRLAQVCRWLRRFTSCDLLWRRRIARAS
LNSGFTRLGTDLMTSVPVKERVKVSQNWRLGRCREGILLKWRCSQMPWMQLEDDSLYISQANFILAYQFRPDGAS
LNRRPLGVFAGHDEDVCHFVLANSIHVSAGGDGKIGIHKIHSTFTVKYSAHEQEVNCVDCKGGIIVSGSRDRTAK
VWPLASGRLGQCLHTIQTEDRVWSIAISPLLSSFVTGTACCGHFSPLRIWDLNSGQLMTHLGSDFFPGAGVLDVM
YESPFTLLSCGYDTYVRYWDLRTSVRKCVMEWEEPHDSTLYCLQTDGNHLLATGSSYYGVVRLWDRRQRACLHAF
PLTSTPLSSPVYCLRLTTKHLAALSYNLHVLDFOQP

3294/6881
FIGURE 3041A

AGGCAGCAGCAGAGGGAGAGCTCGGGGCTTGGAGGGGAAACAGCGGAAGACCTAAGATTATCGGGAGGGCAGCAG
AGGCAGAGAACGAGGACAGGACCCCTTGGCCGTCTTCTTCCAGGGAACGAGAGGTCACAGCCTCGCTCTCCGCTTA
GGCTTCTGGCGCCCCAGCTTAAAGCCGAGGCTGCGGCTGACAAAGGGCTCGCGCCGGTGCCGCCGCCCTTCTCAT
CCGGGCATTTCGGGTCCCTGCGGAGAGGGAGGGGGAAGGGCAGAGGGGGAGGGGAAGGAGCCGGAGGGGGCGCACAC
TTGGAGCTGAAGCCCTCTCCAGGGCTCCGGGCCGGTGCCCCAACGGACAGAGGTCGAGGAGGACCCGCAGAGGTG
GCAGCGGCCGGGGGCAGGAGGATGGTGCAGAAGGAGAGTCAAGCGACGTTGGAGGAGCGGGAGAGCGAGCTCAGC
TCCAACCCCTGCCGCCCTTGCAGGGGGCATCGCTGGAGCCGCCGGCAGCTCCGGCACCCGGAGAAGACAACCCCGCC
GGGGCTGGGGGAGCGGCGGTGGCCGGGGCTGCAGGAGGGGCTCGGCGGTTCCCTCTGCGGTGTGGTGGAAGGATTT
TATGGAAGACCTTGGGTATGGAACAGAGAAAAGAACTCTTTAGAAGGCTCCAGAAATGGGAATTAAATACATAC
TTGTATGCCCCAAAAGATGACTACAAACATAGGATGTTTTGGCGAGAGATGTATTCAGTGGAGGAAGCTGAGCAA
CTTATGACTCTCATCTCTGCTGCACGAGAATATGAGATAGAGTTTCTATGCGATCTCACCTGGATTGGATATC
ACTTTTTCTAACCCCAAGGAAGTATCCACATTGAAACGTAAATTGGACCAGGTTTCTCAGTTTGGGTGCAGATCA
TTTGCTTTGCTTTTTGATGATATAGACCATAATATGTGTGCAGCAGACAAAGAGGTATTTCAGTTCTTTTGCTCAT
GCCCCAGTCTCCATCACAAATGAAATCTATCAGTACCTAGGAGAGCCAGAACTTTCCCTCTTCTGTCCACAGAA
TACTGTGGCACTTTCTGTTATCCAAATGTGTCTCAGTCTCCATATTTAAGGACTGTGGGTGAAAAGCTTCTACCT
GGAATTGAAGTGCTTTGGACAGGTCCCAAAGTTGTTTCTAAAGAAATTCAGTAGAGTCCATCGAAGAGGTTTCT
AAGATTATTAAGAGAGCTCCAGTAATCTGGGATAACATTTCATGCTAATGATTATGATCAGAAGAGACTGTTTCTG
GGCCCGTACAAAGGAAGATCCACAGAACTCATCCACGGTTAAAGAGAGTCCCTACTAATCCAAATTGTGAATTT
GAAGCCAACTACGTTGCTATCCACACCCTTGCCACCTGGTACAAATCAAACATGAATGGAGTGAGAAAAGATGTA
GTGATGACTGACAGTGAAGATAGTACTGTGTCCATCCAGATAAAAATTAGAAAATGAAGGCAGTGATGAAGATATT
GAAACTGATGTACTCTATAGTCCACAGATGGCTCTAAAGCTAGCATTAACAGAATGGTTGCAAGAGTTTGGTGTG
CCTCATCAATACAGCAGTAGGCAAGTTGCACACAGTGGAGCTAAAGCAAAGTGATGTTGATGGGACTCCTTTAGTT
GCAGCACCCCTCTTTAAATGCCACAACCGTAGTAACAACAGTTTATCAGGAGCCCATTATGAGCCAGGGAGCAGCC
TTGAGTGGTGAGCCTACTACTCTGACCAAGGAAGAAGAAAAGAAACAGCCTGATGAAGAACCCATGGACATGGTG
GTGGAAAAACAAGAAGAAACGGACCACAAGAATGACAATCAAATACTGAGTGAAATTGTTGAAGCGAAAATGGCA
GAGGAATTGAAACCAATGGACACTGATAAAGAGAGCATAGCTGAATCAAATCCCCAGAGATGTCCATGCAAGAA
GATTGTATTAGTGACATTGCCCCCATGCAAACTGATGAACAGACAAAACAAGGAGCAGTTTGTGCCAGGTCCAAAT
GAAAAGCCTTTGTACACTGCGGAACCAAGTGACCCCTGGAGGATTTGCAGTTACTTGTGATCTATTCTACCTTCCT
TACGAGCATGGACCCAAAGGAGCACAGATGTTACGGGAATTTCAATGGCTTCGAGCAAATAGTAGTGTGTGTCAGT
GTCAATTGCAAAGGAAAAGACTCTGAAAAAATTGAAGAATGGCGGTCACGAGCAGCCAAGTTTGAAGAGATGTGT
GGACTAGTGATGGGAATGTTCACTCGGCTCTCCAATTGTGCCAACAGGACAATTCCTTTATGACATGTACTCCTAT
GTTTGGGATATCAAGAGTATAATGTCTATGGTGAAGTCTTTTGTACAGTGGTTAGGGTGTGCTAGTCAATCTTCA
GCACAATTCTTAATTGGAGACCAAGAACCCTGGGCCTTTAGAGGTGGTCTAGCAGGAGAGTTCCAGCGTTTGCTG
CCAATTGATGGGGCAAATGATCTCTTTTTTTCAGCCACCTCCACTGACTCCTACCTCCAAAGTTTATACTATCAGA
CCTTATTTTCCTAAGGATGAGGCATCCGTGTACAAGATTTGCAGAGAAATGTATGACGATGGAGTGGGTTTACCC
TTTCAAAGTCAGCCTGATCTTATTGGAGACAAGTTAGTAGGAGGGCTGCTTCCCTCAGCCTGGATTACTGCTTT
GTCCTAGAAGATGAAGATGGCATATGTGGTTATGCCTTGGGCACTGTAGATGTGACCCCTTTATTAATAAATGT
AAAAATTCCTGGATCCCCTTCATGCAGGAGAAGTATACCAAGCCAAATGGTGACAAGGAACCTCTCTGAGGCTGAG
AAAAATATGTTGAGTTTCCATGAAGAACAGGAAGTACTGCCAGAACTTTCCCTTGCTAATTTCCCTTCTCTGATA
AAGATGGACATTACAAAAAAGTAACCTGACCCAAGTGTGGCCAAAAGCATGATGGCTTGCCCTCTGTCTTCACTG
AAGGCTAATGGCTCCCGGGGAGCTTTCTGTGAAGTGAGACCAGATGATAAAGAATTCTGGAATTTTACAGCAAG
TTAGGATGTTTTGAAATTGCAAAAATGGAAGGATTTCCAAAGGATGTGGTTATACTTGGTCGGAGCCTGTGACAT
TTGTTGACACTGTGAAGTGTCCAAAAGTCTCTTAACTGCACCTTGTAATGGTAGTTGAGGTCTTCATACAGTTC
AGCCTCTAGAATGGTAACAAATCAGCCAATTGGATTGCAAAACAAAGAAGACTATGTAAACTCACCCATCACACT
TTGAGACTACTCACTGGTTGGAAGAATATAGTATTGCAGCAAAATCCTGTATGAAAGAGAGATGTGGGCTTCCTTT
TTGAGTCTTGTTAGGTGCTGAGACCTTTTACATGGGCTTATACAGGGAGAGAGTCTTCAATAAATGTAGTCAG
CACTATTTTCTGCATCCAGTGTGGTTGCGTTTCTCACCTGAGAGTAATCAAGATAACATCTGTCACTTTCCTTGG
TTTATTGAGTGAAATGCCTCTCAGTCTTAGGGGACATGGCAGAGATGAAAGAAAGAAAGAGTGGGTTTCAGAAGT

3295/6881
FIGURE 3041B

GTCAGGGTGGAGTGATTCCAAGTGGGATGGTTGTGGCATTAGTTTAAAGCTGAATAAATAATTTCAATTTGGGGCA
GTTATTCTGCTTTTTGTAAAGCCGTGGCCAATTGTCTCCTGTAATGACTGTTGGTTCAGGCATGTTGTACTTTGT
AGGGACAAATGTGCATTTGTTTGTGGCAAAGCCTACAATTGACAACTTGTAATTTCTTTGTATATAAACTAG
CTGTAACCTGACTATCCTTTGTGTTTACTGTTTTTGTAAATTTTTTTCCTCTATAAATGAAAGGGTGTGGTTCA
GAATGGCACTTTGAATAATGTAAACCAGTGAAAAGTGGATTTTCTTTACTTTTGTCTTTGGGTTTGGGGTTGTTT
TTGTTCTTTTTGAAGTTTTATTATTTTTAAAGTGCCTCCCACCTAGGCGTAGGCCATGACCATTTGGGGTACGAG
AGCCTAATTTTGTAGGACTTAATCTGTTGAAAAGTGCAGTTACTTCTGGAAATTAACCTCAATATTAGGTCAGCA
TGTGAAATGTTGGATTTGACATGTCAGGTAGGGTTTCAGGGACTGATTGGTCCCATTGCCCCTCAGGTCAGTTGTT
TAATCTCAAGACCTGTTACTACTGATTTTATTAAATCAGAGTCTTTAATTCTTGCATGTTTGTATCTAATTTCTG
AATGAATGAGCACACTTTAACCAGTTATTTACAGTTACCTTTTTCTTTAACCGGATTGTGAAAGCTTCATGTAT
TTTAATTTAGATTCTGTGTTTTTAAGGGTTCTGAGCATGAAGCTGGCAGATAGTCGGCAGGACTCATTTTTTCAT
CATGGCTGGCTGATTTCTCCATAGATTGATAACAGTATTTTGTTATCTTGCTTCTCTGTAGTTTGCATCAGCTG
TTTAACTTTGAGCTGAGTGAGGGGAGAGGGGTAAAGAGAAAGAACTTAAGTTTTCTTTCACAGAACTCCACCAT
TGTGGGCTTTGAGAGAGCCCTAAAGCATTGTACCTAGTGGTACCTAGTGACTTCCAACCAAAGCCTTTGAGTATG
CACTAAATAGGTGAGAAGAAAGGAGAGAAGGTTTTTAGGTTAGAAACCTTTAACCGATAGAAGGATATGGTATGT
TGTAAGCTGGAACCAAGTTTGCATTTTTGAGGGCTTGAGATGAAGGGAAGACTCTTACCAGATAGTAAGACAGC
TGAGTTTTCTCAGTTTTCTCGTCTTAACACTAGTGGACAATTCTAGCATTTTGTGTTGGAGGATTTAGAGTTAA
CCTCATGGAATTCAGGATTTTTTAGCAAGTTTGCTTTTGGTTTTATCTTGGCTTTTAGTAATCATGTTGGCTGGT
CTGGTCACAGGTGACTGTGAAACAGATGCCCTGGTCTTGCTTTTCATCACTCTAGGATCATGAAGTGCTATGCTAT
TTCCTGGTTATGAATATTAAGGTTGGAATTACATTTTTATTGATTGTTTGGATCAGAGCTCAGTTCCTGTAGAAA
ACGAACTGTAAAAGACCATGCAAGAGGCAAATAAACTTGAAGTG

3296/6881
FIGURE 3042A

GCCAGCGATCAGAGCAGCGCTGGGTGTTTCAGGGGCCAAGATGGCGGCGCGCCGGGGACGGAGAGACGGAGTCCGC
CCGCCCCCGAGTGGGGGCCCCGGTCCGGACCCCTGGCGGGGGAGCCCGCGGCAGTGGTTGGCGAAGTCGAAGCCAA
GCGCCGTATGGGACTTTGGGCGCTGTGAGCGGCGGCGAGCAGGTGCTGCTGCATGAGGAGGCGGGTGATTCTGGC
TTTGTCACTCTCTCTCGGCAGGGCCCCATCTCTGAGGGACAAGGACCTGGAAATGGAGGAGCTAATGCTGCAGGAT
GAGACACTGCTGGGGACCATGCAGAGCTACATGGATGCCTCCCTTATCTCCCTCATTGAGGATTTTGGGAGCCTT
GGAGAGAGCAGGTTATCTCTGGAGGACCACAATGAAGTGTGCTGCTCACGGCTCTGACGGAGATCTTGACAAT
GCAGATTCTGAGAACCTTTCTCCATTTGACAGCATTCTTGATTTCGGAGCTGCTTGTGTACCCCCGGGAGGGCTCC
TCTCTGCACAAGCTGCTTACTCTCTCTCGGACACCCCCAGAAGCTGACCTCATCACCCAGTTGACCCACTGGGG
CCCAGTACGGGCAGCAGTAGAGGGAGTGGGGTTGAAATGTCTCTTCCAGATCCCTCTTGGGACTTCTCCCCACCC
TCTTTCTTAGAGACCTCTTCCCCCAAGCTTCCTAGCTGGAGACCCCCAAGATCAAGACCACGCTGGGGCCAATCC
CCACCTCCCCAGCAGCGCAGTGATGGAGAAGAAGAGGAGGAGGTGGCCAGCTTCAGTGGCCAGATTCTTGCCGGG
GAGCTTGACAACCTGTGTGAGCAGTATCCCGGACTTCCCCATGCATTTGGCCTGCCCTGAGGAGGAAGATAAAGCA
ACAGCAGCAGAGATGGCAGTGCCAGCAGCTGGTGATGAGAGCATCTCTCCCTGAGTGAGCTGGTGCGGGCCATG
CACCCATACTGCCTGCCCCAACCTCACCCACCTGGCATCACTTGAGGATGAGCTTCAGGAGCAGCCAGATGATTTG
ACACTGCCTGAGGGCTGCGTAGTGCTGGAGATTGTGGGGCAGGCAGCCACAGCTGGCGATGACCTGGAGATCCCA
GTTGTGGTGCGACAGGTCTCTCTGACCCCGGCTGTGCTCCTGGATGACTCGCTAGAGACTAGTTCTGCCTTG
CAGCTGCTTATGCCTACACTGGAGTCAGAGACAGAGGCTGCTGTGCCCAAGGTAACCCTCTGCTCTGAGAAAGAG
GGGTTGTCAATTGAAGCTCAGAGGAGAAGCTGGACTCAGCCTGCTTATTGAAGCCAGGGAGGTCTGGAGCCGGTG
GTGCCCAAGGAGCCTCAGAACCCACCTGCCAATGCAGCACCAGGTTCCAGAGAGCTCGAAAGGGCAGGAAGAAG
AAGAGCAAGGAGCAGCCAGCAGCCTGTGTGGAAGGCTATGCCAGGAGGCTGAGGTCATCTTCTCGCGGGCAGTCT
ACTGTAGGTACAGAAGTGACCTCTCAGGTAGACAACCTGCAGAAACAGCCTCAGGAAGAAGCTTCAAAAAGAGTCT
GGGCCTCTCCAGGGTAAGGGGAAGCCCCGGGCTTGGGCTCGGGCTGGGCAGCTGCCTTGAGAAATTCTAGCCCT
AAGAAGTTGGAGAGAAGTGCTGGACAAAGTAGTCTGTAAAGAAGGCCCTCTAGACCTCTACCCAAAGCTGGCT
GACACTATCCAAACCAATCTATACCAACCCATCTCTCATTGGTGCAGCTCTGCCCAAGCCAGCCCCATGCCAGTT
GACTCTGTTGAAGCTGATCCCACTGCAGTTGGCCCTGTTCTAGCTGGCCCTGTACCTGTTGACCTGGGTTGGTT
GACCTTGCTTCAACCAGCTCAGAACTGGTTGAGCCTCTCCCGGCTGAGCCAGTGCTGATCAACCCAGTCTTGCT
GACTCAGCAGCAGTTGACCTGCAGTGGTTCCCATCTCAGATAACTTGCCACCAGTTGATGCTGTCCCGTCTGGC
CCAGCACCAGTTGATCTAGCACTGGTTGACCTGTTTCTAATGACCTGACTCCAGTTGACCCAGTGCTAGTTAAG
TCCAGACCAACTGATCCCAGACGTGGTGCACTGTCATCAGCCCTGGGGGGTTTCCAGACCCAGCTCCTCGTGAG
TCAGAGTCCTTGAGCCACCAAAAGACCATCATCCCTGAAGTCAAAGAGGTTGTGGATTCTCTGAAAATTGAAAGT
GGTACCAGTGCTACAACCCATGAAGCCAGACCTCGGCCTCTCAGCTTATCTGAGTACCGGCGACGAAGGCAGCAA
CGCCAAGCAGAAACAGAAGAGAGAAGTCCACAGCCCCCACTGGGAAGTGGCCTAGCCTTCCAGAGACTCCCA
GGGCTGGCAGACATCCCTTGTCTTGTATCCACCAGCCCCAGCCAAGAAGACAGCTCTGCAGAGAAGCCCTGAA
ACACCCCTTGAGATTGTCCTTGTGCTGTAGGTCCCAGCCCTGCTTCTCCTAGTCTCTGAGCCACCTGTAAGCAAA
CCTGTGGCCTCATCTCCCACTGAGCAGGTGCCATCCAGGAGATGCCACTGTTGGCGAGACCTTCCCTCTCTGTG
CAGTCTGTGTCCCTGCTGTGCCCCACACCTCCCTCGATGTCTGCTGCCCTGCCTTTCCCTGCAGGTGGGCTTGGC
ATGCCCCCAGTCTGCCCCACCTCCCTTGCGAGCCTCCTAGTCTTCCATTGTCTATGGGGCCAGTACTACCTGAT
CCGTTTACTCACTATGCCCCCTTGCCATCCTGGCCTTGTTATCCTCATGTGTCCCTTCTGGCTATCCTTGCCCTG
CCCCCCCCACCAACGGTGCCCTAGTGTCTGGTACTCCTGGTGCCCTATGCCGTGCCTCCCACTTGCACTGTGCT
TGGGCACCCCTCCTGCCCCAGTCTCACCTTACAGTTCCACATGTACCTATGGGCCCTTGGGATGGGGCCCAGGG
CCTCAACATGCTCCATTCTGGTCTACTGTTCCCCACCTCCTTTGCCCTCCAGCCTCCATTGGGAGAGCTGTTCCC
CAACCTAAAATGGAGTCTAGGGGCACTCCAGCTGGCCCTCCTGAAAATGTACTTCCCTTGTCGATGGCTCCTCCC
CTCAGTCTTGGGCTACCTGGCCATGGAGCTCCTCAGACAGAGCCTACCAAGGTGGAGGTCAAGCCAGTGCCCTGCA
TCTCCCCATCCGAAACACAAGGTGTCTGCCCTGGTGCAAAGTCCCCAGATGAAGGCTCTAGCATGTGTGTCTGCT
GAAGGTGTGACTGTTGAGGAGCCTGCATCAGAGAGGCTAAAGCCTGAGACCCAAGAGACCAGGCCCAGGGAGAAG
CCCCCTTGCCCTGCTACCAAGGCTGTTCCACACCAAGGCAGAGCACTGTCCCAAGCTGCCTGCTGTCCACCA
GCCCGTCTAAGGAAGCTGTCTTCTGCTTACCCACGTACTCAGGGTCTGAAGATGTGGTACAGGCTTTCATC
AGTGAGATTGGAATTGAGGCATCGGACCTGTCCAGTCTGCTGGAGCAGTTTGAGAAATCAGAAGCCAAAAGGAG

3297/6881
FIGURE 3042B

TGTCCTCCTCCGGCTCCTGCTGACAGCTTGGCTGTAGGAACTCAGGCGGCGTTGACATTCCCCAGGAGAAGAGG
CCCCTAGACCGGTTACAAGCCCCAGAACTGGCCAACGTGGCAGGGCTCACCCCTCCAGCTACCCCTCCCCACCAG
TTATGGAAGCCCCTGGCTGCTGTCTCACTGCTGGCCAAAGCCAAATCTCCTAAGTCCACCGCCCAGGAGGGAACC
CTGAAGCCTGAAGGAGTTACGGAGGGCCAAACATCCAGCTGCAGTTTCGCCTCCAAGAAGGGGTCCATGGCCCTAGT
CGAGTCCATGTGGGCTCTGGGGACCATGACTATTGTGTCCGGAGCAGGACCCCCCAAAAAGATGCCTGCCCTA
GTCATTCCAGAGGTGGGCTCCCGATGGAATGTCAAGCGCCATCAGGACATCACCATCAAACCTGTCTTGTCTTG
GGCCCAGCTGCCCCCTCCGCCCCCATGCATAGCTGCCTCCCGGGAGCCGCTTGATCACAGGACTAGCAGTGAGCAG
GCAGATCCCTCAGCACCCCTGCCTTGCCCCATCCAGCTTGCTGTCCCCTGAGGCCTCACCCCTGCCGGAATGACATG
AACACTAGGACTCCCCCTGAACCCTCAGCCAAGCAGCGGTCAATGCGCTGTTACCGAAAAGCCTGCAGGTCAGCC
AGCCCCCTCAAGCCAGGGCTGGCAGGGCCGCCGAGGCCGCAACAGCCGTTCTGTGAGCTCTGGGTCCAACCGGACT
AGCGAAGCATCTTCCTCATCTCATCATCGTCTTCCTCATCCGATCTCGGTCCAGGTCCCTCTCCCCCCCCACAC
AAGAGGTGGCGAAGGTCCAGCTGTAGTTCTCTGGACGTTCTCGAAGATGCTCTTCCTCTTCTTCGTATCATCT
TCCTCTTCGTCTTCCTCATCTCATCATCCAGTTCTCGAAGCCGCTCACGATCCCCATCCCCCGCCGGAGAAGT
GACAGGAGGCGGCGGTACAGCTCTTATCGTTCACATGACCATTACCAAAGGCAAAGAGTGCTACAAAAGGAGCGT
GCAATAGAAGAAAGAAGGGTGGTCTTCATTGGAAAGATACCTGGCCGCATGACTCGATCAGAGCTGAAAACAGAGG
TTCTCCGTTTTTTGGAGAGATTGAGGAGTGCACCATCCACTTCCGTGTCCAAGGGGACAACCTACGGCTTCGTCACT
TATCGCTATGCTGAGGAGGCATTTGCAGCCATTGAGAGTGGCCACAAGCTGCGGCAGGCAGATGAGCAGCCCTTT
GATCTCTGCTTTGGGGGCCGAAGGCAGTTCTGCAAGAGGAGCTATTCTGATCTTGACTCCAACCGGGAAGACTTT
GACCCAGCACCTGTAAAGAGCAAATTTGATTCTCTTGACTTTGACACATTGTTGAAACAGGCCCAAGAAGAACTC
AGGAGGTAACCTTGGGCCCTTCCCTGCTATCCTTTTTCTCCTTTGGAGGTGCCCAACCTCCTCCACCCCTTCCC
CTACTCTAGGGGAGAGAGCTGCTAGTGAGATGACTGTTTTATAAAGAAATGGAAAAAAGTGAAATAAAAAATATG
TTGAATCAGATTTTTTAAAAGGGGTATTTGTTTTTTTATAACAGGTATTGAAACAAGTTAACTTGCAATTCCTATG
TAAGATAGGAGGGGCTGAGGGGATCCCCAGTGTGGAACATAAGTCACTATGCAGACTAATAAACATCAACTAG
AGAGAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

3298/6881
FIGURE 3043

MAARRGRRDGVAPPPSGGPGDPGGGARGSGWRSRSQAPYGTLGAVSGGEQVLLHEEAGDSGFVSLSRQGPSLRD
KDLEMEELMLQDETLLGTMQSYMDASLISLIEDFGSLGESRLSLEDHNEVSLLTALTEILDNADSENLSPFDSIP
DSELLVSPREGSSLHKLLTSLRTPPERDLITPVDPLGPGSTGSSRSGSVEMSLPDP SWDFSPPSFLETSSPKLPSW
RPPRSRPRWGQSPPPQQRSDGEEEEEVASFSGQILAGELDNCVSSIPDFPMHLACPEEEDKATAAEMAVPAAGDE
SISSLSELVRAMHPYCLPNLTHLASLEDELQEQPDDLTLPEGCVVLEIVGQAATAGDDLEIPVVVRQVSPGPRPV
LLDDSLSETSSALQLLMPTLESETEAAVPKVTLCSEKEGLSLNSEEKLD SACLKPREVVEPVVPKEPQNPPANAA
PGSQRARKGRKKKSKEQPAACVEGYARRLRSSSRGQSTVGTEVTSQVDNLQKQFQEELQKESGPLQKGKPRAWA
RAWAAALENS SPKNLERSAGQSSPAKEGPLDLYPKLADTIQTNP IPTHL SLVDSAQASMPVDSVEADPTAVGPV
LAGPVPVDPGLVDLASTSSELVEPLPAEPVLINPVLADSAAVDPAVVPISDNLPFVDAVPSGPAPVDLALVDPVP
NDLTPVDPVLVKS RPTDPRRGAVSSALGGSAPQLLVESES LDPPKTI IPEVKEVVDSLKIESGTSATTHEARPRP
LSLSEYRRRRQQRQAETEERSQPPTGKWPSLPETPTGLADIPCLVIPPAPAKKTALQ RSPETPLEICLVPGPS
PASPSPEPPVSKPVASSPTEQVPSQEMPLLARPSPPVQSVSPAVPTPPSMSAALFFAGGLGMPPSLPPPLOPP
SLPLSMGPVLPDPFFTHYAPLPSWPCYPHVSPSGYPCLPPPPTVPLVSGTPGAYAVPPTCSVPWAPPPAPVSPYSS
TCTYGPLGWGPGPQHAPFWSTVPPPLPPASIGRAVPQPKMESRGTPAGPPENVLPLSMAPPLSLGLPGHGAPQT
EPTKVEVKPVPASPHPKHKVSALVQSPQMKALACVSAEGVTVEEPASERLKPETQETRPREKPPLPATKAVPTR
QSTVPKLPVHPARLRKLSFLPTPRTQGS EDVVQAFISEIGIEASDLSSLLEQFEKSEAKKECPPPAPADSLAVG
NSGGVDIPQEKRLDRLQAPELANVAGLTPPATPPHQLWKPLAAVSL LAKAKSPKSTAQEGTLKPEGVTEAKHPA
AVRLQEGVHGPSRVHVGSGDHDYCVRSRTPPKMPALV IPEVGSRWNVKRHQDITIKPVL SLGPAAPPPPCIAAS
REPLDHRTSSEQADPSAPCLAPSSLLSPEASPCRNDMNTRTPPEPSAKQ RSMRCYRKACRSASPSSQGWQRRGR
NSRSVSSGSNRTSEASSSSSSSSSSSSRSRSRSLSPPHKRWRRSSCSSSGRSRRCSSSSSSSSSSSSSSSSSSSR
SRSRSPSPRRRS DRRRRYSSYRSHDHYQRQ RVLQKERAIEERRVVF IGKIPGRMTRSELKQRF SVFGEIEECTIH
FRVQGDNYGFVTYRYAEFAAIESGHKLRQADEQPFDL CFGRRQFCKRSYSDLD SNREDFDPAPVKSKFDSL D
FTLLKQAQKNLRR

3299/6881

FIGURE 3044A

GTCGTGCTGCGTCGACAAACGGTAGTGACGCGTATTGCCTGGAGGATGGCGGACGCCGGCATTGCGCCGCGTGGTTCCAGCGACCTGTATCCCCTCGTGCTCGGCTTCCTGCGCGATAACCAACTCTCAGAGGTGGCCAATAAGTTGCGCCA AAGCGACAGGAGCTACACAGCAGGATGCCAATGCCTCTTCCCTCTTAGACATCTATAGCTTCTGGCTCAAGTCTG CCAAGGTCCCAGAGCGAAAAGTTACAGGCAAATGGACCAGTGGCTAAGAAAGCTAAGAAGAAGGCCTCATCCAGTG ACAGTGAGGACAGCAGCGAGGAGGAGGAGGAAGTTCAAGGGCCTCCAGCAAAGAAGGCTGCTGTACCTGCCAAGC GAGTCGGTCTGCCTCCTGGGAAGGCTGCAGCCAAAGCATCAGAGAGTAGCAGCAGTGAAGAGTCCAGTGATGATG ATGATGAGGAGGACCAAAAAGAAACAGCCTGTCCAGAAGGGAGTTAAGCCCCAAGCCAAGGCAGCCAAAAGCTCCTC CTAAGAAGGCCAAGAGCTCTGATTCTGATTCTGACTCAAGCTCCGAGGATGAGCCACCAAGAACCAGAAGCCAA AGATAACACCTGTGACAGTTAAAGCTCAGACTAAAGCCCCTCCCAAACCAGCTCGAGCAGCACCTAAAATAGCCA ATGGTAAAGCAGCCAGTAGCAGCAGTAGCAGCAGCAGCAGTAGCAGTGACTCAGAGGAGGAGAAGGCAG CAGCCACCCCCAAGAAGGTCTGGACCATAACTTCTGTGAGGGCAGAGACTGTACCTAAAAAGCAAGTTGTGGCCA AGGCCCCAGTGAAAGCAGCTACCAACCCCTACCCGGAAGAGTTCTAGCAGTGAGGATTCCCTCCAGTGACGAGGAAG AGGAGCAAAAAAACCCTATGAAAAATAAACAGGTCCCTACAGTTTCAAGTCCCCCGCCTTCTGCTCCCCACCAA AGAAGTCTCTGGGAACCCAGCCTCCCAAGAAGGCTGTGGAGAAGCAGCAGCCTGTGGAAAGCAGTGAAGACAGCA GTGATGAGTCTGATTCAAGTTCTGAAGAAGAGAAGAAACCCCCAAGTAAAGCAGTAGTCTCTAAAGCAACCACTA AACCACCTCCAGCAAAGAAAGCAGCAGAGAGCTCTTCAGACAGCTCAGACTCTGACAGCTCTGAGGATGATGAAG CTCCTTCTAAGCCAGCTGGTACCACCAAGAATTCTTCAAATAAGCCAGCTGTCACCACCAAGTCACCTGCAGTGA AGCCAGCTGCAGCCCCCAAGCAACCTGTGGGCGGTGGCCAGAAGCTTCTGACGAGAAAGGCTGACAGCAGCTCCA GTGAGGAAGAGAGCAGCTCCAGTGAGGAGGAGAAGACAAAGAAGATGGTGGCCACCACTAAGCCCAAGGCGACTG CCAAAGCAGCTCTATCTCTGCCTGCCAAGCAGGCTCCTCAGGGTAGTAGGGACAGCAGCTCTGATTTCAGACAGCT CCAGCAGTGAGGAGGAGGAAGAGAAGACATCTAAGTCTGCAGTTAAGAAGAAGCCACAGAAGGTAGCAGGAGGTG CAGCCCCCTTCCAAGCCAGCCTCTGCAAAGAAAGGAAAGGCTGAGAGCAGCAACAGTTCTTCTTCTGATGACTCCA GTGAGGAAGAGGAAGAGAAGCTCAAGGGCAAGGGCTCTCCAAGACCACAAGCCCCCAAGGCCAATGGCACCTCTG CACTGACTGCCAGAATGGAAGAGCAGCTAAGAACAGTGAGGAGGAGGAAGAAGAAAAGAAAAGGCGGCAGTGG TAGTTTCCAAATCAGGTTTCATTAAAGAAGCGGAAGCAGAATGAGGCTGCCAAGGAGGCAGAGACTCCTCAGGCCA AGAAGATAAAGCTTCAGACCCCTAACACATTTCCAAAAAGGAAGAAAGGAGAAAAAAGGGCATCATCCCCATTCC GAAGGGTCAGGGAGGAGGAATTTAGAGTGATTACAGAGTTGCGGACAACCTCCTTTGATGCCAAGCGAGGTGCAG CCGGAGACTGGGGAGAGCGAGCCAATCAGGTTTTGAAGTTCACCAAAGGCAAGTCCTTTGCGCATGAGAAAACCA AGAAGAAGCGGGGAGCTACCGGGGAGGCTCAATCTCTGTCCAGGTCAATTCTATTAAGTTTGACAGCGAGTGAC CTGAGGCCATCTTCGGTGAAGCAAGGGTGATGATCGGAGACTACTTCTTCTCCAGTGGACCTGGGAACCTCA GGTCTCTAGGTGAGGGTCTTGATGAGGACAGAAGTTTAGAGTAGGTCTTAAGACTTTACAGTGTAACATCCTCTC TGGTCTTTTCTGTGTTCCCTAGTTTTGTACAGACTTGTTTTTGAGTGTTGAGTAGCAGGGACAAAATAAGGGAAT GTTATTTTTTAAGAAAATTCATTTTCATTGTTGTCTCCTTCTTTCTGTGAAAGTCCTCATACTGAGAAATTTG TATATTTTATATTAATCACTTACTATTGATTTTTGTTGTGATTTTCAAAGGTGGATTCCACAGATAAAATCTT GGCTATTGCCAAAACATAGTAAAGGGTCACGTGTGACTTTTTATAATAGGAAGAAAATTCTGCCTTTGTGAGTG CACATGTCCACATTCATCCCTCCTTCCCTCAAACCCTAGAGAGGGGCATTAAAGAATTGTTGATGTATATGCA ATGTCTGTTAAGCATGCACTATGTATTTTATCCTCATTTTATTGGGTCTGGGACTGAAGTTTTTAGCCAGCATGGA CCTAACCTACTTTTTGGGATAAAATCTCTGTTTTGTTACAGGCAAAATCTGGTATGGCGTGAATGCCATGGGT CATCTGAATATATTTTTTCTGTAATTTTATCATTACAGATGTTTGCAATACGTGCTTTGTTTTTTAATTTGA AAGCAAACCTTTTCTACTGTTGAAAGACATTTTTTGACAACCTTGACCTTCTAGTATTGAGTTCTAAGTTGAGGA CTGCATCTTCTCGTTTTTTACAGTATAGAGAACAAAATGACATGAGTTTGAAAAATACATATCACTTGGTATTGC TGTCTTGGTTGCAGTGGTGATACAGAATTGGTTTTCAATTCCTACATGGTTGAGAATCACTGATCAAGAAAGT GGGGGGAAAAAAACAAACGTTAAACCTCAATCCTCAGTAGGAAGGTAGATTACATTAGGTGAAATTATAGGTA ATCTATGTATGTGCTAATGGGGTTGGAAAGAACCTTACAGAGCATATTACCTGATAAACTGGAGTGGGTTTGGGA GAACAACTAATAGGATTATTGTGTCTCCTAGTTGGTACCTGGGAGCAATTGACATGCCCCCTTCAGAACCTTAA CTGTTAGTAGCAGTGGCTGTAAACAACACAAACAGTGACCAGAGATAACAGCTTTTAGGCCAAGCTGGCCTGACG GTATGGCTGCAGGAAGTGACTGAGCAGTAGCGGTACTCAGCCAGACCAAGACGGAGAGGGAAGAGTCCACAGCTT TCTGGAAGCTAAGGCATTCTGGTGGTAGAAAAGTGTGCCCCAAGCCTTCATGGACGAGTTATAGGTCTTAAGATT

3300/6881
FIGURE 3044B

AGTCTCCTCTTGTGGATTCCATACTTGCTAAATAACCTGATAATAACCTGGTTTTCCATGTAAGTGCCTCTAG
GAAGAAAATGTACTGTTTCATGCTGACACAGATATTTTCAGTCTGCATGGTAAAAGTTCTAAATCTTACTACAAAAT
AATAAACTGGCTGGTTTATAATGTG

3301/6881
FIGURE 3045A

GACAGGGAAGGTACCCGGCTCTACTGCCCGTCCCGGACGACTCATCCTGGCGGACTGTGCAGTCCCACCCTGACT
TCAGCCTCAATTTCCAGGAAACAGGCTCCTTCTCTTCTCCCATCTGCTACCAGAGCCGGGAGAGCTGCTCGGAGA
CGCCTCCGGGGTGCGGGCTGGACATGAGCAGCGGCTGCCGGTCTGGGACTAGGCCCGCCATTTTGGATCCGCT
GACAGGTTTGCCAAGATGGTGGATAAGAATATTTACATCATTCAAGGGGAGATTAACATTGTGGTTGGGGCCATC
AAACGAAATGCCCCGATGGAGCACCCATACACCACTGGATGAAGAACGGGATCCTCTGCTGCATAGTTTTCGGTCAT
CTAAAGGAGGTTTTAAACAGTATAACAGAACTCTCAGAAATTGAGCCCAATGTATTCTTCGACCTTTTCTGGAA
GTGATTGCTCTGAAGATACCACTGGCCCTATCACTGGACTGGCACTCACCTCTGTCAACAAGTTCTGTCTCTAT
GCACTCATAGATCCCACCCATGAGGGCACAGCAGAGGGCATGGAGAACATGGCAGATGCTGTCACCCATGCTCGT
TTTGTGGGCACGGATCCTGCCAGTGATGAAGTTGTCCTGATGAAAATCCTTCAGGTTCTACGGACTCTGCTGCTA
ACCCAGTGGGTGCCACCTAACCAATGAATCTGTGTGTGAGATTATGCAGTCTTGCTTCCGGATCTGCTTTGAA
ATGAGGCTCAGTGAGTTATTGAGAAAATCCGCAGAGCACACTCTCGTAGACATGGTGCAGCTGCTCTTCAACAAG
TTACCTCAGTTTAAAGAAGAACCCAAAGAACTATGTGGGGACCAACATGAAGAAGCTGAAAATGAGAGCCGGAGGC
ATGAGTGATTATCCAAATGGAAGAAACAGAAGAGATCCCCTCGGCCCCACGCCATATGACCAAGTCAACCA
GGTTCAGAGCTGCCCCTCCCAATGGAACACCTTATCATCTAACCTCACTGGTGGCATGCCCTTCAATTGATGTG
CCCCTCCCATCTCTCTGCAAGTTGAGAAGCTGCCCTCAGCAGTGGTCACTCCCTCTACAGACAGTGGCTGGAA
TTCTCTCCCAAACCACTTCCAAGGAAGACCTTACTGATCTAGAGCAACCTGGCTCTCCAGGGTACAGCACAGCT
ACAGAGCCTGGAAGCAGTGAGCTAGGTGTTCCCGAGCAGCCTGACCTCCAGGAAGGGACCCATGTGGAAAAGTCC
CAGTCAGCATCTGTGGAGTCCATCCCTGAAGTGTTAGAGGAGTGCACGTCCCCTGCCGACCACTCTGACTCTGCC
TCTGTCCATGACATGGATTACGTCAATCCCCGGGGCGTGCGCTTTACACAGTCTCCAGAAAAGAAGGCACAGCT
TTGGTCCCCTATGGTCTTCCCTGCATCCGCGAGCTCTTCCGCTTCTCATCTCCCTACCAATCCACACGACCGC
CATAACTCAGAGGTTATGATTCACATGGGACTGCATTGCTGACAGTGGCCCTTGAGTCAGCCCCTGTAGCCCAG
TGCCAGACCCTCTTGGGCCCTCATCAAGGATGAGATGTGCCGTCACTTATTCCAGCTACTCAGCATAGAGCGACTA
AACCTTTATGCTGCTTCCCTGCGAGTATGCTTCCCTACTGTTTGAAGAGCATGCGAGAGCACCTCAAGTTCCAAATG
GAGATGTACATCAAAAAGCTTATGGAGATCATCACTGTGGAGAACCCCAAGATGCCTTATGAGATGAAGGAGATG
GCACTGGAGGCCATTGTGCAGCTCTGGCGCATCCCCAGCTTGTGTACAGAGCTCTACATCAACTATGATTGTGAC
TACTACTGTTTCCAACCTCTTTGAGGAACCTCACAAGCTGCTGTCCAAGAATGCCTTCCCTGTGTCTGGTCAACTC
TATAACAACACCTACTATCTCTTGATGCCCTATTGACAGTGATTGACAGCACCGAGGCCCACTGCCAGGCTAAA
GTCCTCAACAGCCTCACCCAGCAAGAGAAGAAGGAGACAGCCAGACCAAGCTGTGAGATAGTAGATGGCACCCGA
GAAGCTAGCAATACTGAGAGAACTGCCAGCGATGGGAAAGCTGTAGGCATGGCCTCAGACATCCCAGGCCCTGCAT
CTGCCAGGTGGAGGGCGGCTGCCACCAGAACATGGGAAATCAGGATGCAGTGATCTGGAGGAAGCTGTTGACTCT
GGGGCTGACAAAAGTTTGCCCGGAAGCCACCCGATTTTCTGTCTCCTGCCAGATCCACGGGAACCTAATTGAA
ATTAAAAACAAAAGAAGCTGCTAATCACTGGCACAGAGCAGTTCAATCAGAAACCAAGAAGGGGATTAGTTT
CTGCAAGAGAAAGGCTCCTCACCATCCCAATGGACAACACAGAGGTTGCTCAGTGGCTCCGAGAGAACCCTCGG
CTGGACAAGAAGATGATTGGAGAGTTTGTGAGTGACCGCAAAAACATTGACCTGTTGGAGAGCTTTGTGAGCACC
TTCAGTTTTTCAGGGTCTGCGACTGGACGAAGCCCTCCGCTCTACCTGGAAGCCTTCCGTTTGCCTGGGGAAGCA
CCAGTCATCCAGAGGTTGCTGGAGGCATTACAGAGCGTTGGATGAATTGTAATGGCTCCCCATTTGCCAATAGC
GATGCCCTGCTTTTCCCTGGCCTATGCTGTCTCATGCTTAATACTGACCAGCACAAACCACAATGTTTCGTAAACAG
AATGCACCCATGACCCTGGAGGAGTTTCGCAAAAATCTGAAAGGTGTGAATGGAGGCAAGGACTTTGAGCAAGAC
ATCCTGGAGGACATGTACCATGCCATCAAGAATGAGGAAATTGTAATGCCCTGAGGAGCAGACAGGCTTGGTTCCG
GAGAACTATGTGTGGAATGTGCTGCTTCATCGAGGTGCCACCCCTGAGGGCATATTCTGCGTGTGCCTACTGCC
AGCTATGATCTTGACCTCTTACCATGACCTGGGGCCCCACTATTGCTGCTCTCTCTTATGTCTTTGACAAAAGC
CTTGAGGAGACAATCATCCAGAAAGCCATCTCAGGCTTCAGGAAGTGCGCCATGATCTCCGCCCACTATGGCCTC
AGCGATGTGTTTGACAATCTCATCTCTCTATGCAAAATTCACAGCTCTCAGCAGTGAGTCTATTGAGAACCTG
CCCAGTGTATTTGGAAGCAACCCTAAAGCCCATATTGCAGCCAAGACAGTATTCCATTTGGCCCATCGTCATGGT
GACATCCTGCGGGAGGGCTGGAAGAATATCATGGAGGCCATGCTGCAGCTCTCCGAGCCCACTACTGCCCAAG
GCTATGATAGAGGTAGAAGATTTCTGTGATCCCAATGGCAAGATCTCTCTACAGCGGGAAGAGACACCATCAAAC
CGAGGAGAGTCAACAGTGCTGAGCTTTGTGAGCTGGCTAACACTGAGTGGTCTGAGCAGTCTAGTGTTCCGGGC
CCATCCACTGAAAACCAAGAGGCCAAGAGAGTGGCCTTAGAGTGTATAAAGCAATGTGACCCAGAAAAATGATC

3302/6881
FIGURE 3045B

ACAGAAAGCAAGTTCCTCCAGCTGGAGTCACTACAGGAGCTCATGAAGGCTCTGGTCTCAGTGACACCAGATGAA
GAGACATATGATGAGGAAGATGCTGCTTTCTGCCTAGAGATGCTGCTAAGGATTGTGTTGGAGAACAGGGATCGT
GTGGGCTGTGTGTGGCAGACTGTTTCGAGACCATCTATACCACCTCTGTGTTTCAGGCACAAGATTTCTGCTTCCTT
GTGGAGCGGGCAGTGGTGGGGTTGCTACGCCTGGCCATTTCGGCTTCTCCGGAGAGAAGAGATCAGTGCTCAGGTG
CTGCTCTCCCTGCGCATTTTGTACTGATGAAGCCCAGTGTGCTATCCCCGAGTCAGCCACCAGGTTGCGTATGGG
CTCCATGAACCTCCTGAAGACCAATGCAGCCAACATCCACTCAGGTGATGACTGGGCCACACTCTTCACACTGCTG
GAGTGCATCGGCTCAGGTGTGAAGCCTCCAGCTGCTCTGCAGGCCACAGCCAGGGCAGATGCACCTGATGCCGGG
GCCAGTCAGATAGTGAGCTCCCATCCTACCATCAGAATGACGTGAGCCTGGATCGAGGGTACACTTCCGACTCA
GAGGTCTACACTGACCATGGCAGGCCGGGCAAGATACCCGATCAGCCACAGATGCCGATGTGGTCAACAGTGGT
TGTTAGTGGTTGGGAAGGATGACGTTGATAACTCCAAGCCAGGGCCAGCCGCCAGGCCCTTCACCCCTGATC
AATCAATACAGCCTAACAGTGGGACTGGATTTGGGGCCACACGACACTAAGTCTCTGCTTAAGTGTGTGGAATCG
CTGTCTTCATCGTGCCTGATGCTGCCACATCACACCTGACAACTTTGAGCTCTGCGTCAAGACTCTCCGGATC
TTTGTGGAGGCCAGTCTGAATGGCGGATGCAAGTCCCAGGAGAAACGTGGCAAGAGTCACAAATATGACAGCAAA
GGGAACCGCTTCAAGAAGAAATCCAAAGAGGGATCAATGCTTCGCCGGCCTCGAACCTCCAGCCAACATGCCTCT
CGGGGCGGGCAGAGTGATGATGATGAGGACGAAGGCGTGCTGCCAGCTACCATACGGTGTCTTTACAGGTCACT
CAGGACTTGCTAGACCTGATGCACACCCTGCACACGCGGGCAGCCTCTATCTACAGCTCATGGGCGGAGGAGCAA
CGCCACCTGGAGACAGGTGGCCAGAAGATTGAAGCTGATTCTCGCACCTCTGGGCCCACTGCTGGTGGCCTTTA
CTGCAGGGTATTGCTGCGCTGTGCTGCGATGCCCGGCGCCAGGTACGGATGCAGGCACTGACCTATCTGCAGCGA
GCACTACTTGTACATGATCTGCAAAAGCTAGATGCCCTGGAATGGGAGTCCGTGTTTTAACAAGGTGCTGTTTCCT
CTACTTACCAAGCTCTTGGAGAACATCAGCCCTGCAGATGTGGGTGGGATGGAGGAGACCCGGATGAGGGCTTCC
ACATTGCTCTCTAAGGTCTTCTGTCAGCACCTGTCTCCACTGCTGTCACTCTCTACCTTTGCGGCCCTCTGGCTC
ACCATCTTGGACTTCATGGACAAGTACATGCACGCAGGCTCCAGCGACTTACTGTGAGAGGCGATCCCTGAGTCT
CTGAAGAACATGCTTCTGGTGATGGACACAGCGGAGATTTTCCACAGTGCAGATGCACGGGGAGGCGGCCCTCG
GCCCTCTGGGAGATCACCTGGGAACGCATTGACTGTTTTCTCCCTCACCTACGAGATGAACTCTTCAAGCAGACC
GTCATCCAGGACCCCATGCCCATGGAGCCTCAAGGCCAAAAGCCTCTCGCCTCAGCCCACCTGACTTCCGCTGCT
GGCGACACTAGGACACCTGGCCATCCACCGCCCCCAGAGATTCCATCTGAGCTGGGGGCTGTGACTTTGAGAAG
CCCCGAGAGCCCCGAGCCGCCAGCAGCAGCTCCCCAGGATCACCAGTGGCCTCAAGCCCCAGCAGGCTGAGCCCC
ACCCCCGACGGGCTCCACCCTTGGCTCAGCCCCCACTGATCCTGCAGCCCTTGGCCTCCCCACTGCAGGTGGGC
GTGCCACCTATGACTCTGCCCATCATCCTCAACCCTGCGCTCATCGAGGCCACCTACCAGTGGCCCTCCTGGCC
ACACCCCGCCCCACAGATCCCATACCACCTCTGAGGTCAACTAAGGCAGGTCACTCAGAGATCAGGACCAGTGC
TTCCCACAGGCTTTCTTGACCCCACTTCTGGCTGTCTCTGCGGGCCACAAGCTCTTCAGGCCAAGTCAGAGCTG
CTGTTGCTGCCACTTGATGGGGACCTGAAAAAGAGAATGTTGATAGCCCCAGCTAAGACCCCAATCAGCTGTG
GGACCTTTTTCTCTCTGCGCTCCATTCTGGGGGTTTCAGCCTGAGAGTGAATCAGCTGTCTGCAGCCTC
TGCTCCAGCCCGGCAGCTCTGGGGAGGCATCCGTGTGCCGGCCCTGCAGTGCTGCCACGGTCAGGCATTGAA
AACTAAGCCCAACCACTCTGCACTTTGTTTCCCACTCCCATTAGCCCTGGGCCACCTCCTCCAGTTCTTCTCTT
TTACTAATTAGTTGGTCAGTTTGGAGAGTTGACTGGCACCATGGAGGGTAGGCAGGTGGGGGCTGGGTGGGGAC
TGCCACAGGAGCATGTACATATGAAAAACAGAACAACAGTGGACTTTTTATGATATAATAAATGTCTTAGTAC
C

3303/6881
FIGURE 3046

MVDKNIYIIQGEINIVVGAIKRNARWSTHTPLDEERDPLLHSFGHLKEVLNSITELSEIENPVFLRPFLEVIRSE
DTTGPITGLALTSVNKFLSYALIDPTHEGTAEGMENMADAVTHARFVGTDPASDEVVLMKILQVLRRTLLTPVGA
HLTNEVCEIMQSCFRICFEMRLSELLRKS AEHTLVDMVQLLFTRLPQFKEEPKNYVGTNMKKLKM RAGGMSDSS
KWKKQKRSRPPRHM TKVTPGSELPTPNGTTLSSNL TGGMFIDVPTPISSASSEAA SAVVSPSTD SGLFSSQT
TSKEDLTDLEQPGSPGYSTATEPGSSELGVPEQPDLOEGTHVEKSQSASVESIPEVLEECTSPADHSDSASVHDM
DYVNPRGVRFTQSSQKEGTALVPYGLPCIRELFRFLISLTNPHDRHNSEVMIHMGLHLLTVALESAPVAQCQTLL
GLIKDEMCRHLFQLLSIERLNLYAASLRVCFLLFESMREHLKFQMEMYIKKLMEIITVENPKMPYEMKEMALEAI
VQLWRIPSFVTELYINYDCDYCSNLFEELTKLLSKNAFPVSGQLYTTHTLLSLDALLTVIDSTEAHCAKVLNSL
TQOEKKETARPSCEIVDGTREASNTERTASDGKAVGMASDIPGLHLPGGGRLPPEHGKSGCSDLEEAVDSGADKK
FARKPPRFSCLLPDPRELIEIKNKKLLITGTEQFNQPKKGIQFLQEKGLLTIPMDNTEVAQWLRENPRLDKKM
IGEFVSDRKNIDLLESFVSTFSFQGLRLDEALRLYLEAFRLPGEAPVIQRLLEAFTERWMNCNGSPFANS DACFS
LAYAVIMLNTDQHNHNVRKQONAPMTLEEFKRNKLG VNGGKDFEQDILED MYHAIKNEEIVMP EEQTGLVRENYVW
NVLLHRGATPEGIFLRVPTASYDLDLFTMTWGPTIAALSYVFDKSLEETIIQKAISGFRKCAMISAHYGLSDVFD
NLIISLCKFTALSSESIENLP SVFGSNPKAHIAAKTVFHLAHRHGDILREGWKNIMEAMLQLFRAQLLPKAMIEV
EDFVDPNGKISLQREETPSNRGESTVLSFVSWLTL SGPEQSSVRGPSTENQEAKRVALECIKQCDPEKMITESKF
LQLESLQELMKALVSVTPDEETYDEEDAAFCLEMLLRIVLENRDRVGCWQTVRDHLYHLCVQAQDFCFIVERAV
VGLLRLAIRLLRREEISAQVLLSLRILLMLKPSVLSRVSHQVAYGLHELLKTNAANIHS GDDWATLFTLLECIGS
GVKPPAALQATARADAPDAGAQS DSELPSYHQNDVSLDRGYTSDSEVYTDHGRPGKIHRSATDADVNSGWL VVG
KDDVDNSKPGPSRPGPSPLINQYSLTVGLDLGPHDTKSLLKCVESLSFIVRDAAHITPDNFELCVKTLRIFVEAS
LNGGCKSQEKRGKSHKYDSKGNRFKKKSKEGSMLRRPRTSSQHASRGGQSDDDEDEGVPASYHTVSLQVSQD LLD
LMHTLHTRAASIYSSWAEEQRHLETGGQKIEADSRTLWAHCWCPLLQGIACLCDDARRQVRMQALTYLQ RALLVH
DLQKLDALWESCFNKVLFPLLTKLLENISPADVGGMEETRMRASTLLSKVFLQHLSPLLSLSTFAALWLTILDF
MDKYM HAGSSDLLSEAIPESLKNMLLVMDTAEIFHSADARGGGSALWEITWERIDCFPLHLRDELFKQTVIQDP
MPMEPQGQKPLASAHLTSAAGDTRTPGHPPPPEIPSELGACDFEKPESPR AASSSSPGSPVASSPSRLSPTPDGP
PPLAQPLILQPLASPLQVGVPMTLP IILNPALIEATSPVPLLATPRPTDPIPTSEVN

3304/6881
FIGURE 3047

CTCGTTGGTGGGGCTGGGGGATGAGAGCTGCACCGCGCGGGACAAGTCGCCGGCGGGCGCCCGACGGAGCAGAAGA
GAGAGCATGGAGCTGGAGAGGATCGTCAGTGCAGCCCTCCTTGCCTTTGTCCAGACACACCTCCCGGAGGCCGAC
CTCAGTGGCTTGGATGAGGTCACTCTCTCCTATGTGCTTGGGGTCCTGGAGGACCTGGGCCCCCTCGGGCCCATCA
GAGGAGAACTTCGATATGGAGGCTTCACTGAGATGATGGAGGCCTATGTGCCTGGCTTCGCCCACATCCCCAGG
GGCACAATAGGGGACATGATGCAGAAGCTCTCAGGGCAGCTGAGCGATGCCAGGAACAAAGAGAACCTGCAACCG
CAGAGCTCTGGTGTCCAAGGTCAGGTGCCCATCTCCCCAGAGCCCCTGCAGCGGCCCCGAAATGCTCAAAGAAGAG
ACTAGGTCTTCGGCTGCTGCTGCTGCAGACACCCAAGATGAGGCAACTGGCGCTGAGGAGGAGCTTCTGCCAGGG
GTGGATGTACTCCTGGAGGTGTTCCCTACCTGTTCGGTGGAGCAGGCCCAGTGGGTGCTGGCCAAAGCTCGGGGG
GACTTGGAAGAAGCTGTGCAGATGCTGGTAGAGGGAAAGGAAGAGGGGCCTGCAGCCTGGGAGGGCCCCAACCCAG
GACCTGCCCAGACGCCTCAGAGGCCCCCAAAAGGATGAGCTGAAGTCCTTCATCCTGCAGAAGTACATGATGGTG
GATAGCGCATAGTATCAGAAGATTACCGGCCCCATGGCTCCCAAGGAGGCCCCCAAGAAGCTGATCCGATACATC
GACAACCAGGTAGTGAGCACCAAAGGGGAGCGATTCAAAGATGTGCGGAACCCTGAGGCCGAGGAGATGAAGGCC
ACATACATCAACCTCAAGCCAGCCAGAAAAGTACCGCTTCCATTGAGGCACTCGCCGGACTCTGCCCCGAGCCTTCT
AGGCTCAGATCCCAGAGGGATGCAGGAGCCCTATACCCCTACACAGGGGCCCCCTAACTCCTGTCCCCCTTCTCT
ACTCCTTTGCTCCATAGTGTTAACCTACTCTCGGAGCTGCCTCCATGGGCACAGTAAAGGTGGCCCCAAGGAAAAA
AAAAAAAAAAAAAAAAAAAAA

3305/6881
FIGURE 3048

MELERIVSAALLAFVQTHLPEADLSGLDEVIFSYVLGVLEDLGPSGPSEENFDMEAFTEMMEAYVPGFAHIPRGT
IGDMMQKLSGQLSDARNKENLQPQSSGVQGQVPISPEPLQRPEMLKEETRSSAAAAADTQDEATGAEELLP
VLEVFPTCSVEQAQWVLAKARGDLEEAVQMLVEGKEEGPAAWEGPNQDLPRRLRGPQKDELKSFILQK
YMMVDS
A

3306/6881
FIGURE 3049

GCGCTAGCGGCGGACCCGGCTGGGCAGTTCCTTCCCCAGAAGGAGAGATTCTCTGCCATGGAGTCCTACGATGT
GATCGCCAACCAGCCTGTCGTGATCGACAACGGATCCGGTGTGATTAAAGCTGGTTTTGCTGGTGATCAGATCCC
CAAATACTGCTTTCCAACTATGTGGGCCGACCCAAGCACGTTTCGTGTCATGGCAGGAGCCCTTGAAGGCGACAT
CTTCATTGGCCCCAAAGCTGAGGAGCACCGAGGGCTGCTTTCAATCCGCTATCCCATGGAGCATGGCATCGTCAA
GGATTGGAACGACATGGAACGCATTGCGCAATATGTCTATTCTAAGGACCAGCTGCAGACTTTCTCAGAGGAGCA
TCCTGTGCTCCTGACTGAGGCGCCTTTAAACCCACGAAAAACCGGGAACGAGCTGCCGAAGTTTTCTTCGAGAC
CTTCAATGTGCCCGCTCTTTTTCATCTCCATGCAAGCTGTACTCAGCCTTTACGCTACAGGCAGGACCACAGGGGT
GGTGCTGGATTCTGGGGATGGAGTCACCCATGCTGTGCCCATCTATGAGGGCTTTGCCATGCCCCACTCCATCAT
GCGCATCGACATCGCGGGCCGGGACGTCTCTCGCTTCCTGCGCCTCTACCTGCGTAAGGAGGGCTACGACTTCCA
CTCATCTCTGAGTTTGAGATTGTCAAGGCCATAAAAGAAAGAGCCTGTTACCTATCCATAAAACCCCCAAAAGGA
TGAGACGCTAGAGACAGAGAAAGCTCAGTACTACCTGCCTGATGGCAGCACCATTGAGATTGGTCCTTCCCGATT
CCGGGCCCCCTGAGTTGCTCTTCAGGCCAGATTTGATTGGAGAGGAGAGTGAAGGCATCCACGAGGTCTTGGTGT
CGCCATTGAGAAGTCAGACATGGACCTGCGGCGCACGCTTTTTCTCTAACATTGTCTCTCAGGAGGCTCTACCCCT
GTTCAAAGGTTTTTGGTGACAGGCTCCTGAGTGAAGTGAAGAACTAGCTCCAAAAGATGTGAAGATCAGGATATC
TGCACCTCAGGAGAGACTGTATTCCACGTGGATTGGGGGCTCCATCCTTGCCCTCCCTGGACACCTTTAAGAAGAT
GTGGGTCTCCAAAAGGAATATGAGGAAGACGGTGCCCGATCCATCCACAGAAAAACCTTCTAATGTCGGGACAT
CATCTTCACCTCTCTCTGAAGTTAACTCCACTTTAAAACTCGCTTTCTTGAGTCGGAGTGTTTTCGAGGAAGTGC
CTGTGTGTGAGTGCCTGTGTGGATATGAGTGTGTGTGCACATGCCAGTGCCGTGTGGCCCTGGGACCCCTGGGCCC
AGAAAGGACGATGAACTACCTGCAGTGGTGATGGCCTGAGGCCCTGGGGTTGACCACTAACTGGCTCCTGCAGGG
AAGAGCGCTGGCAGAGGCTGTGCTCCCTCCTCAGGTGGCCTCTGGCTGGCTGTGGGGGACTCCGTTTACTACCAC
AGGGAGACAGAGGGAGGTAAGCCATCCCCGGGAGACCTTGCTGCTGACCATCCTAGGCTGGGCTGGCCCCACCC
TCACCCCCACCCCCAGGGTGCCCTGAGGCCCCAGGCAGCTGCTGCCTCCACTATCGATGCCTCCTGACTGCACAC
TGAGGACTGGGACTGGGGTTGAGTTCTGTCTGGTTTTGTGCCATTTTGGTTTGGGAGGCTGGAAAAGCACCCCA
AGAGCTATTACAGAGACTGGAGTCAGGAGAGAGCAGGAGGCCCTCATGTTACCAGGGAACAGGACCACACCGGC
CACTGGAGGAGGGCAGGAGCAGTCCTCACTCTGAATGGCTGCAGAGTTAATGTTCCAGCCCAGTCCCCCTTCGG
GGGCTTGGGAGAGTTTTAAGGCACCTGCTGGTTCCAGGACCTCGCTTTCCATCTGTTCTTGTGCAATGCCATCT
TCAAACCGTTTTTATTTATTGAAGTGTTTGTTCAGTTAGGGGCTGGAGAGAGGGAGCTTGCTGCCTCCTGCCTTGC
TACACTAATGTTTACAGCACCTAAGCTTAGCCTCCAGGGCCCCACCTCTCCAGCTGATGGTGAGCTGACAGTGT
CCACAGGTTCCAGGACCATTTGAGATTGGAAGCTACACTCAAAGACACTCCCACCAGGCTCTTTCTCCCTTTTCC
TCTTGCTCACTGCCCTGGAATCAACAGGCTGGTTGCTGGTTAGATTTTCTGAAACAGGAGGTAATAATTTTCTTT
GGCAGAGGCCCTTAAGCAAGGGAGGGGTGTTGGAGAGCCAGTGCCCTTAAGACTGGAGAAAGCTGCAATTTACCA
AGTTGCCTTTTTGCCACTGTAGCTGACCAGGGGACTAGGTTGTAGAGGTGGGAAGGCCCCCTCTGGGCTGATCTTG
TGCCATTCTTGACCTTGACCTGCTTGTTAAGGAGGGAGTGGGCCAGACCAGAGTGCCAGGAGCTAATGGAGCC
AGGCCTGACTCCTAGGAGTGGTCCAAAGGCCTTCAGCCTAGATGGTGCAAAGCTGGGGCCAGCCTGTCTTCACCG
GCACCCCTACCTGTGACACCAAGACCCACCCCAATCCAGACTTCACACAGTATTCTCCCCACGCCGTCTATG
ACCAAAGGCCCTGCCAGGTGTGGGCCACAGCAGCAGGTATGTGTGAAAGCAACGTAGCGCCCCGCGGACTGCAG
TGCGCTTAACCACTCACCTCCCTTCTCTTAGCCCAAGCCTGTCCCTCGCACAGCCTCGCACAAACCACATTGCC
TGGTGGGGCCAGTGACTGAAATAAAGTCGTTCCGATAGACACGTC

3307/6881
FIGURE 3050

MESYDVIANQPVIDNGSGVIKAGFAGDQIPKYCFPNYVGRPKHVRVMAGALEGDIFIGPKAEHRGLLSIRYPM
EHGIVKDWNMERIWQYVYSKDQLQTFSEEHVLLTEAPLNPRKNRERAAEVFFETFNVPALFISMQAVLSLYAT
GRTTGVLDSGDGVTHAVPIYEGFAMPHSIMRIDIAGRDVSRFLRLYLKKEGYDFHSSSEFEIVKAIKERACYLS
INPQKDETELEKAQYYLPDGSTIEIGPSRFRAPPELLFRPDLIGEESSEGIHEVLVFAIQSDMDLRRTLFSNIVL
SGGSTLFKGFGRLLSEVKKLAPKDVKIRISAPQERLYSTWIGGSILASLDTFKMWVSKKEYEEDGARS IHRKT
F

3308/6881
FIGURE 3051A

CGCCGTGCGCAGGCGCGGAGCTAGACCTCGCTGCAGCCCCATCGCCTCGGGGAGTCTCACCACCCGAGTCCGCC
CGCTGGCCCGTCAGTGCTCTCCCCGTCGTTTGCCCTCTCCAGTTCCCCCAGTGCCCTGCCCTACGCACCCCGATGG
CGGAGCTGCGGCCTAGCGGCGCCCCCGGCCCCACCGCGCCCCCGGCCCCCTGGCCCCGACTGCCCCCGGCCTTCG
CTTCGCTCTTTCCCCCGGAGCTGCACGCCATCTACGGAGAGTGCCGCCGCTTTACCCTGACCAGCCGAACCCGC
TCCAGGTTACCGCTATCGTCAAGTACTGGTTGGGTGGCCAGACCCCTTGACTATGTTAGCATGTACAGGAATG
TGGGGAGCCCTTCTGCTAACATCCCCGAGCACTGGCACTACATCAGCTTCGGCCTGAGTGATCTCTATGGTGACA
ACAGAGTCCATGAGTTTACAGGAACAGATGGACCTAGTGGTTTTGGCTTTGAGTTGACCTTTCGTCTGAAGAGAG
AACTGGGGAGTCTGCCCCACCAACATGGCCCGCAGAGTTAATGCAGGGCTTGGCACGATACGTGTTCCAGTCAG
AGAACACCTTCTGCACTGGGGACCATGTGTCTGGCACAGCCCTTTGGATAACAGTGAGTCAAGAATTCAGCACA
TGCTGCTGACAGAGGACCCACAGATGCAGCCCGTGCAGACACCCCTTTGGGGTAGTTACCTTCCTCCAGATCGTTG
GTGTCTGCACTGAAGAGCTACACTCAGCCAGCAGTGGAAACGGGCAGGGCATCCTGGAGCTGCTGCGGACAGTGC
CTATTGCTGGCGGCCCTGGCTGATAACTGACATGCGGAGGGGAGAGACCATAATTGAGATCGATCCACACCTGC
AAGAGAGAGTTGACAAAGGCATCGAGACAGATGGCTCCAACCTGAGTGGTGTGAGTGCCAAGTGTGCTGGGATG
ACCTGAGCCGGCCCCCGAGGATGACGAGGACAGCCGGAGCATCTGCATCGGCACACAGCCCCGGCGACTCTCTG
GCAAAGACACAGAGCAGATCCGGGAGACCCTGAGGAGAGGACTCGAGATCAACAGCAAACCTGTCCTTCCACCAA
TCAACCTCAGCGGCAGAATGGCCTCGCCACGACCGGGCCCCGAGCCGCAAAGACAGCCTGGAAAGTGACAGCT
CCACGGCCATCATTCCCCATGAGCTGATTGCGACGCGGCAGCTTGAGAGCGTACATCTGAAATTCACCAGGAGT
CCGGAGCCCTCATTCTCTGCTTAAGGGGAGGCTCCTGCATGGACGGCACTTTACATATAAAGTATCACAG
GTGACATGGCCATCACGTTTGTCTCCACGGGAGTGGAAAGGCGCTTTGCCACTGAGGAGCATCCTTACGCGGCTC
ATGGACCTGGTTACAAATTCTGTTGACCGAAGAGTTTGTAGAGAAAATGTTGGAGGATTTAGAAGATTTGACTT
CTCCAGAGGAATTCAAACTTCCCAAAGAGTACAGCTGGCCTGAAAAGAACTGAAGGTCTCCATCTGCTGACG
TGGTGTTCGACAGTCCGCTACACTAGCCTGGGCTGGGCCCTGCAGGGGCCAGCAGGGAGCCAGCTGCTCCCCAG
TGACTTCCAGTGTAACAGTTGTGTCAACGAGATCTCCACAAATAAAAAGGACAAAGTGTGAGGAAGACTGCGCAGTG
CCACCCCGCAGCCAGTGGGGTGCCATGCACAGGCCACAGGCCCTCCACCTCACCTCCAGCTCAGGGGGCCGCACC
CCGCCGCTGGCTAAGCCTTGTGACCCATCAGGCCAGTGAGTGGGCAAATGCGGACCCTCCCTGCCTGCAGCCTGC
ACAGATTCTGGTTTGGAGTTTGAATCTGGACCCTGGCTGTGCCCTAGGTGGAGACAGCCCTCTTTCTCACCTAC
CCCCTGCCGCACAGCCAGCAGGAGGGAGGCGGACAGCCAGATGCAGAGCGAGTGGATGCACTTCCAGCTCATC
TCTGGAAGCCTTTGCTACTCAAGCTCCTCTGGCCGCGGAACAATTCTCTGATCATGTTTGGTTTTCTTCTTCT
TATTTTATTTTGTAGAAACCGGGTGGTATTTTATTGCTCTGCAAAGATGTCCAGAAGCCATGTATATAATGTTTT
TTAAACAGAACTTCATTCCCCGTTGAACCTTTCGATTCTCTGACAGAGCCCTAGGGCTGTATCTCTCCCTGGGCT
GCCACCAGAGAAGGTGCTTGGTGTTCGCTGCCAGCCAGAGCCCTGGAGGAGCCGGCTGCACAGAGAGGCTTTT
CTTCCAGCTGGGCTGATGGAGCCCGGGCAGGGGGAGAGTAGAGACACTCCCTTGTGACGCTTTGAGCCTAGT
TTAGCTGGGGCCAGGGAGGGGTGCTACTGTTTTCCAAGTGAATGGGTCTCAAAGACTGGTGACCCAGCCTCAT
CTTCTAGGCCTTTTCCATCCAACAGGCCTACCTGGGAGAGGGTGAGGTTTCAGCACATCACACACCATCCCCACT
GTCATTAGGGCCTGGGTCTCCAGCTCTGTAACCACTCTGTCCCATTTCTCAGTCCCTGGGCCTCCAGCCTT
CAGGCTGTAGGGCTGCCTTACTAAAATTGAAAAATCCACCTCTTAACATCTCTTCACTTTGGTTTTGCTAACAC
TGCTCTCTGCTGCCCTCCATCCTCCCTGTATCCATTATGCCCTATCTTTCATTCTCCACTCCTAATCCCTCTC
CTTTCTGGCATCCTGGCTCTCGTGGTCTCAGCCCTCACCCCACTGCTGAGATCTCACAGTTTGCCTTCCA
GAAGCCAGCCTATCTCTAGCCCATGGTTTTGGAGTTCTCTCGGGTATCTCCACGCTGACCTGGAACCAGCA
AGCCCTTTCTGCTTCTTACCCCCAACTCTAGGGATGGGACTGTTACAATACTTCAAGATCACTCTTACACC
TCTTCAAAGCAAAGTCATGACAATGCAGGGCTCCTCATTGCTCCCATCTGCCTCTGCTGCACACACAGGCACCAG
CAGGGATGCCACAGGAGTGGCCACAGGGTGCAGGACTCCACTGATGAGAGATCCAGCCAAAGAGCTGCCCCCAGG
GGTATGAGGGCACCAGCTGGGTCTCCAGGGAGCAGGAGTTGGACCTCCATGGAGCCACTAGGCCTGGCCTCCTC
TACACATCCCCAGGGCTATCTGGTTAATTCATCAAGCTCAGAGTTAAAAGGCATATCAGCCTGGAGTATTTGGG
AGAGACTGGCTGCAGATCCCCGCCAGCCAAGATGCAAGCCACTCGGGACCTGATGTCGGCAGCTGTGCCTCTACT
GCCCCTGAGGACTTACCAGAGGGAGCCCTACTGGCCTTCCCCCACCACAGCAGCCCTGCCTGTGAAGCTCTTGTTT
CTGACATTTACAGGCAGAGAGGTGCCATCAGTTTCGCTCCATTCCCTTGCCACCATGACCAGCCTCTCCCTGAAC
TCTCTCTTGCTCGGGACCTGCCTGAGGGCTCCCTGCTGCAGTTCCCGTACTTCCATCTGCTGGGTGCCTCCATC

3309/6881
FIGURE 3051B

GTGGTTGGGTGGGGATGGGGCATTCTGAGCTAAGCTTTGTCATTAGTTTGTGAAGCACCTGGTCAGCAACCT
GCCCCAGACCTGGAGGGTCTTTGTGGACTGAAGGTAGACACCAGCCAGCATGGTGGCCCTGTTCTGGGGGAGCAG
GGTAAGGCAGGAGGAAGTGGGTGAGCTCCGAGATGATGAGCACATGAAGCCTGTGGCCCTTCGTACCTGCAATA
TGTCAGGAGCCTCACGCTCACCCAAGATCCTGCAGGGGCCAGGCTCCATCTCACTGGCTCTGAGGGCAGGACAGG
GTATCACACATTTCTCACCAGGCCTCCTTTCTATGGGCATTGGTGCCTCCCAGAGGTTTCTTGGGCTGCTGGCT
GGTGAGAGAGGACCCTTAAAGAAGATCAAGCCAAGCTGACCTTGGACCCTGTCCAGCACAGCTTCTGGCACAGGA
TGCTTGGTGAATGTACCCTTTCTTTCCCTCCCTGCAGCTCTGAGGGAGCCCTGACCTTGTAGTGGGTGGAGGAG
GTAAGGGGCCCTCCCTCCCTAAATCTGCCTCTTCTGCAAGCTACTTGGAGACTTGCCTAGTTGTACCCACCCCTCC
AGGTCCCTGGTGCTAGAGCTTCTGAGAAGGGCCTTTCCCTTTCTCTTTGCCTGCTATATAAGGCAGGCTCCTGT
GGCTCTGCTGGCTCAGTGTGGGCTGCAGGAGGACTGCAGACTCAGCTGCAATTCTGAGGGGGGTTTGGGAGGCTT
GTGCGAGGTCTCAGGCCTGTGTGGGAGCTGGTGCCTCTTCTGCCCCGTATCTTCTCTTCCAAGGGCAGTGCTC
CAAGGCAGGGACTGGAGAAGCCAAGGGGAGAGTCTAAAAGGGCTAGAGCATTTTAAAAAATAGACACAGGGTCTT
GGGACTGGGGTTTCGGATTGAGTTGCAAGCAGGGAGAAAACCTGAAGGTCGGTGCCCCCTATGGGGCTGACCAGTA
GAGAATTTCTTTACTGTATTTTTGTGTCTGGTCTTCCCTTTCTGGCTTCTAGGACATCCATGCCAGGTGAGGTG
CCTGGGTCCCTGTTACAAGTCAGGAGCCCTGTAGGGAGACCCTCCTTTTGTACAAGTACCTGAATGCTGCGACA
AGCAGATTTTGTAAAATTTTATATTAGTTTTTAATGTCAGTGGCGACTCGGTTCTTGGGGCTGCAGCCAGCCTG
GGACTTTTGTAAGAATTTTGGGTGACTCACTTAGATGTCGTTTCTTCTTGCCCCCTCTTCTCTCTGTAATCT
AAGTGCATTAAACATCTTTCAG

3310/6881
FIGURE 3052

MAELRPSGAPGPTAPPAPGPTAPPAFASLFPPGLHAIYGECCRRLYPDQPNPLQVTAIVKYWLGGPDPLDYVSMYR
NVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTDGSPSGFGFELTFRKRETGESAPPTWPAELMQGLARYVFQ
SENTFCSGDHVSWHSPLDNSESRIQHMLLTEDPQMOPVQTPFGVVTFLQIVGVCTEELHSAQQWNGQGILELLRT
VPIAGGPWLITDMRRGETIFEIDPHLQERVVDKGIETDGSNLSGVSAKCAWDDLSRPPEDDEDSRSICIGTQPRRL
SGKDTEQIRETLRRGLEINSKPVLPPINPQRQNGLAHDRAPSRKDSLESSTAIIPHELIRTRQLESVHLKFNQ
ESGALIPLCRLRLLHGRHFTYKSITGDMAITFVSTGVEGAFATEEHPYAAHGPWLQILLTEEFVEKMLEDLEDL
TSPEEFKLPKEYSWPEKKLKVSILPDVVFDSPLH

3311/6881
FIGURE 3053

AGCAGCGGCGGGGGCCCGAGGGATTCTGAAGGAAGATTTCCATTAGGTAATTTGTTTAAATCAGTGCAAGCGAAAT
TAAGGGAAAATGGATGTAGAAAATGAGCAGATACTGAATGTAAACCCTGCAGATCCTGATAACTTAAGTGACTCT
CTCTTTTCCGGTGATGAAGAAAATGCTGGGACTGAGGAAATAAAGAATGAAATAAATGGAAATTGGATTTCAGCA
TCCTCCATTAACGAAGCTAGAAATTAATGCCAAGGCCAAAAGGCGACTAAGGAAAAACTCATCCCGGGACTCTGGC
AGAGGCGATTTCGGTCAGCGACAGTGGGAGTGACGCCCTTAGAAGTGGATTAACTGTGCCAACCAAGTCCAAAGGGA
AGGTTGCTGGATAGGCGATCCAGATCTGGGAAAGGAAGGGGACTACCAAAGAAAGGTGGTGCAGGAGGCCAAAGGT
GTCTGGGGTACACCTGGACAGGTGTATGATGTGGAGGAGGTGGATGTGAAAGATCCTAACTATGATGATGACCAG
GAGAACTGTGTTTATGAAACTGTAGTTTTGCCCTTGGATGAAAGGGCATTGAGAAGACTTTAACACCAATCATA
CAGGAATATTTTGAGCATGGAGATACTAATGAAGTTGCGGAAATGTTAAGAGATTTAAATCTTGGTGAAATGAAA
AGTGGAGTACCAGTGTGGCAGTATCCTTAGCATTTGGAGGGGAAGGCTAGTCATAGAGAGATGACATCTAAGCTT
CTTTCTGACCTTTGTGGGACAGTAATGAGCACAACCTGATGTGGAAAAATCATTGATAAATTGTTGAAAGATCTA
CCTGAATTAGCACTGGATACTCCTAGAGCACCACAGTTGGTGGGCCAGTTTATTGCTAGAGCTGTTGGAGATGGA
ATTTTATGTAATACCTATATTGATAGTTACAAAGGAACCTGTAGATTGTGTGCAGGCTAGAGCTGCTCTGGATAAG
GCTACCGTGCTTCTGAGTATGTCTAAAGGTGGAAAGCGTAAAGATAGTGTGTGGGGCTCTGGAGGTGGGCAGCAA
TCTGTCAATCACCTTGTTAAAGAGATTGATATGCTGCTGAAAGAATATTTACTCTCTGGAGACATATCTGAAGCT
GAACATTGCCTTAAGGAACTGGAAGTACCTCATTTTCACCATGAGCTTGTATATGAAGCTATTATAATGGTTTTTA
GAGTCAACTGGAGAAAGTACATTTAAGATGATTTTGGATTTATTAAAGTCCCTTTGGAAGTCTTCTACCATTACT
GTAGACCAAATGAAAAGAGGTTATGAGAGAATTTACAATGAAATTCGGACATTAATCTGGATGTCCACATTCA
TACTCTGTGCTGGAGCGGTTTGTAGAAGAAATGTTTTCAGGCTGGAATAATTTCAAACAACCTCAGAGATCTTTGT
CCTTCAAGGGGCAGAAAGCGTTTTGTAAAGCGAAGGAGATGGAGGTCGTCTTAAACCAGAGAGCTACTGAAATATAA
GAACTCTTGCACTCTTAGATGTTATAAAAAATATATATCTGAATTGTAAGAGTTGTTAGCACAAAGTTTTTTTTTTT
TTTTTTTTTAAGCACTTGTTTTGGGTACAAGGCATTTCTGACATTTT

3312/6881
FIGURE 3054

MDVENEQILNVNPADPDNLSDSLFSGDEENAGTEEIKNEINGNWI
SASSINEARINAKAKRRLRKNSSRDSGRGD
SVSDSGSDALRSGLTVPITSPKGRLLDRRSRSGKGRGLPKKGGAGGKGVWGTPGQVYDVEEVDVKDPNYDDDQENC
VYETVVLPLDERAFEKTLTPIIQEYFEHGDNEVAEMLRDLNLGEMKSGVPVLAVSLALEGKASHREMTSKLLSD
LCGTVMSTTDVEKSFDKLLKDLPELALDTPRAPQLVGQFIARAVGDGILCNTYIDSYKGTVDVCVQARAALDKATV
LLSMSKGGKRKDSVWGSGGGQQSVNHLVKEIDMLLKEYLLSGDISEAEHCLKELEVPHFHHELVEAIIMVLEST
GESTFKMILDLLKSLWKSSTITVDQMKRGYERIYNEIPDINLDVPHSYSVLERFVEECFQAGIISKQLRDLCP
SRGRKRFVSEGDGGRLKPESY

3313/6881
FIGURE 3055

ATGCCTCCAAAGGTGACTTCAGAGCTGCTTCGGCAGCTGAGACAAGCCATGAGGAACTCTGAGTATGTGACCGAA
CCGATCCAGGCCTACATCATCCCATCGGGAGATGCTCATCAGAGTGAGTATATTGCTCCATGTGACTGTGCGCGG
GCTTTTGTCTCTGGATTTCGATGGCTCTGCGGGCACAGCCATCATCACAGAAGAGCATGCAGCCATGTGGACTGAC
GGGCGCTACTTTCTCCAGGCTGCCAAGCAAATGGACAGCAACTGGACACTTATGAAGATGGGTCTGAAGGACACA
CCAACTCAGGAAGACTGGCTGGTGTGAGTGTGCTTCCTGAAGGATCCAGGGTTGGTGTGGACCCCTTGATCATTCTT
ACAGATTATTGGAAGAAAATGGCCAAAGTTCTGAGAAGTGCCGGCCATCACCTCATTCTGTCAAGGAGAACCTC
GTTGACAAAATCTGGACAGACCGTCTGAGCGCCCTTGCAAGCCTCTCCTCACACTGGGCCTGGATTACACAGGC
ATCTCCTGGAAGGACAAGGTTGCAGACCTTCGGTTGAAAATGGCTGAGAGGAACGTATGTGGTTTGTGGTCACT
GCCTTGGATGAGATTGCGTGGCTATTTAATCTCCGAGGATCAGATGTGGAGCACAAATCCAGTATTTTTCTCTAC
GCAATCATAGGACTAGAGACGATCATGCTCTTCATTGATGGTGACCGCATAGACGCCCCAGTGTGAAGGAGCAC
CTGCTTCTTGACTTGGGTCTGGAAGCCGAATACAGGATCCAGGTGCATCCCTACAAGTCCATCCTGAGCGAGCTC
AAGGCCCTGTGTGCTGACCTCTCCCCAAGGGAGAAGGTGTGGGTGAGTACAAGGCCAGCTATGCTGTGAGCGAG
ACCATCCCCAAGGACCACCGCTGCTGTATGCCTTACACCCCCATCTGCATCGCCAAAGCTGTGAAGAATTCAGCT
GAGTCAGAAGGCATGAGGCCGGCTCACATTAAAGATGCTGTTGCTCTCTGTGAACCTCTTTAACTGGCTGGAGAAA
GAGGTTCCCAAAGGTGGTGTGACAGAGATCTCAGCTGCTGACAAAGCTGAGGAGTTTCGCAGGCAACAGGCAGAC
TTTGTGGACCTGAGCTTCCCAACAATTTCCAGTACGGGACCCAACGGCGCCATCATTCACTACGCGCCAGTCCCT
GAGACGAATAGGACCTTGTCCCTGGATGAGGTGTACCTTATTGACTCGGGTGCTCAATACAAGGATGGCACCACA
GATGTGACGCGGACAATGCATTTTGGGACCCCTACAGCCTACGAGAAGGAATGCTTCACATATGTCCTCAAGGGC
CACATAGCTGTGAGTGCAGCCGTTTTCCCGACTGGAACCAAAGGTACCTTCTTGACTCCTTTGCCCGTTAGCT
TTATGGGATTACAGGCCTAGATTACTTGACGGGACTGGACATGGTGTGGGTCTTTTTTGAATGTCCATGAGGGT
CCTTGCGGCATCAGTTACAAAACATTCTCTGATGAGCCCTTGGAGGCAGGCATGATTGTCACTGATGAGCCCGGG
TACTATGAAGATGGGGCTTTTGAATTTCGCATTGAGAATGTTGTCCTTGTGGTTCTGTGAAGACCAAGTATAAT
TTTAATAACCGGGGAAGCCTGACCTTTGAACCTCTAACATTGGTTCCAATTACAGACCAAATGATAGATGTGGAT
TCTCTTACAGACAAAGAGTGCGACTGGCTCAACAATTACCACCTGACCTGCAGGGATGTGATTGGGAAGGAATTG
CAGAAACAGGGCCGCCAGGAAGCTCTCGAGTGGCTCATCAGAGAGACGCAACCCATCTCCAAACAGCATTAA

3314/6881
FIGURE 3056

MPPKVTSELLRQLRQAMRNSEYVTEPIQAYIIPSGDAHQSEYIAPCDCRRAAFVSGFDGSAGTAIITEEHAAMWTD
GRYFLQAAKQMDSNWTLMKMGKDTPTQEDWLVSVLPEGSRVGVDPLIIP TDYWKMAKVLR SAGHHLIPVKENL
VDKIWTD RPERPCKPLLTGLDYGISWKDKVADLR LKMAERNVMWFVVTALDEIAWLFNLRGSDVEHNPVFFSY
AIIGLETIMLFIDGDRIDAPSVKEHLLLDLGLEAEYRIQVHPYKSILSELKALCADLSPREKVWVSDKASYAVSE
TIPKDHRCMPYTPICIAKAVKNSAESEGM RPAHIKDAVALCELFNWLEKEVPKGGVTEISAADKAE EFRRQQAD
FVDLSFPTISSTGPNGAIHYAPVPETNRTL SLDEVYLIDSGAQYKDGT TDVTRTMHFGTPTAYEKECFTYVLKG
HIAVSAAVFPTG TKGHLLDSFARSALWDSGLDYLHGTGHGVGSFLNVHEGPCGISYKTF SDEPLEAGMIVTDEPG
YYEDGAFGIRIENVVLVVPVKTKYNFN NRGS LTFEPLTLVPIQTKMIDVDSLTDKECDWLN NYHLTCRDVIGKEL
QKQGRQEAL EWLIRETQPI SKQH

3315/6881
FIGURE 3057

CCGTCCAGAGACTGCTGAACCCCTATCCATCTGCTACCACCACCCACTCTGGACACAGAACATCCAGTCATGGAA
AAAAATGAGCTGGTTTCAGAAGGCCAAACTGGCTGAGCAGGCTGAGCAATATGATAACATGGCAGCCTGCATGAAG
TCTGTAACTGAGCAAGGAGCTGAATTATCCAATGAGGAGAGGAATCTTCTCTCAGTTGCTTATAAAAAATGTTGTA
GGAGCCCGTAGGTCATCTTGGAGGGTCATCTCAAGTATTGAACAAAAGACGGAAGGTGTTGAGAAAAACAGCAG
ATGGCTCGAGAATACAGAGAGAAAAATTGAGATGGAGCTAAGAGATATCTCCAATGATGTACTATCTCTTTTGGAA
AAGTTCTTGATCTCCAATGCTTCACAAGCAGAGAGCAAAGTCTTCTATTTGAAAATGAAAGGAGATTACTACCGT
TACTTGGCTGAGGTTGCCGCTGGTGATGGCAAGAAAGGGATTGTGGGTCAGTCACAACAAGCATACCAAGAAGCT
TTTGAATCAGCAAAAAGGAAATGCAACCAACACATACTGTCAGACTGGGTCTGGCCCTTAACCTTCTCTTGTCT
ATTATGAGATTCTGAACTCCCCAGATAAAGTCTGCTCTCTTGCAAAGATGGCTTTTGATGAAGGCATTGCTGAAC
TTGATACATTAAATGAAGAGTCATACAAAGACAGCACGCTAATAATGCAATTACCGAGAGACAACTTGACATTGT
GGACACTGGATACCCAAGGAGACAAAGCTGAAGCAGGAGAAAGAGGGGAAAATTAACCGGCCTTCCAACCTTTTGT
CTGCCTCTTTCTAAAATTTACACAGTAGACCATTTGTCATCCATGGTGTCACAAAATGGTTTTTTTGTTTACAAT
TTATGGCAGATGTGTGTTACTTTTATTTGAATTTCTATATTTCCCATGTGGTTTTTATGTTTAATATTAGGGGAG
TAGAGCCAGTTAACATTTAGGGAGTTATCTGTTTTCATCTTGAGGTGGCCAATATGGGGATGTGGAATTTTTATA
CAAGTT

3316/6881
FIGURE 3058A

AACATTTTTGAAAGATCACTCAGCTTTAACACACCTTGGCTGGGTCTGGATAAAAAAAGTGAGCACTGCAAAT
TTCTAGAAGAAAACATCAGGAGAAGAAAGAGAGAGGGGGATTTATTCAAAGTTGTTTCCAATTCCCTTCAAACCT
CAAACCAGGTGGCTATGGTATGGATGTAACCAAGAAAAACAAACGAGATGGAACCTGAAGTCACTGAGAGAATTGT
CACTGAAACAGTAACCACAAGACTTACATCCTTACCACCAAAAGGCGGGACCAGCAATGGCTATGCTAAACAGC
CTCTCTTGGTGGAGGGAGCCGGCTGGAGAAACAAAGCCTGACTCATGGCAGCAGCGGCTACATAAACTCAACTGG
AAGCACACGAGGCCATGCCTCCACCTCTAGTTACAGGAGGGCTCACTCACCTGCCTCCACTCTGCCCACTCCCC
AGGCTCAACCTTTGAAAGGAAAACCTCACGTTACCCGCCATGCGTATGAAGGGAGCTCCAGTGGCAACTCTTCTCC
GGAGTACCCTCGGAAGGAATTTGCATCTTCTTCAACCAGAGGACGGAGTCAAACACGAGAGAGTGAAATTCGAGT
TCGACTGCAGAGTGCCTCCCATCCACCCGATGGACAGAATTGGATGATGTTAAGCGTTTGCTCAAGGGGAGTCG
ATCGGCAAGTGTGAGCCCCACCCGGAATTCCTCCAACACACTCCCCATCCCCAAGAAAGGCACTGTGGAGACCAA
AATTGTGACAGCGAGCTCCAGTGGTGTGAGGCACCTACGATGCAACGATCCTGGATGCCAACCTTCCCTCCCA
TGTGTGGTCTCCACCCTGCCCGCGGGGTCTCCATGGGGACCTATCACAACAACATGGCGTCTGCTCACCAC
CCTCTCAACACCAATGCCTACTCTGCGGGATCAGTCTTGGAGTTCCAAACAACATGGCGTCTGCTCACCAC
TTTGCACCCTGGACTCAGCACATCCTCCTCAGTGTGTTGGCATGCAGAACAATCTGGCCCCAGCTTGACCACCT
GTCCCATGGCACCACCACCTTCCACAGCATATGGGGTGAAGAAAAACATGCCCCAGAGTCTGCGGCTGTGAA
CACTGGCGTTTCCACCTCCGCGCCTGCACCACAAGTGTGCAGAGCGATGACCTTTGCACAAGGACTGCAAGTT
CCTGATCCTAGAGAAAGACAACACACCTGCCAAGAAGGAGATGGAGCTGCTCATCATGACCAAGGACAGCGGAA
GGTCTTTACAGCTCCCTGCCAGCATCGCTGCAACTTCTTTTTTCAAGACACCCATAAAAAAGAAAGCAAGC
TGCTTACAATGCTGACTCAGGCCTAAAAGCCGAAGCTAATGGAGACCTGAAGACTGTGTCCACAAGGGCAAGAC
CACCCTGCAGATATCCACAGCTACGGCAGCAGTGGTGGTGGCAGTGGAGGAGGTGGCGGTGTTGGTGGCGC
TGGCGGCGGCCCTTGGGGACCAGCGCCAGCCTGGTGCCCTGCGGCTCCTGCTGCAGCTGGTGGAGTGGCTGCT
GGGCTGCTGCTCACCTGGCTGCTACTCCTGGGGCTGCTCTTCGGCCTCATTGCTCTGGCGGAGGAGGTGAGGAA
GCTGAAGGCGCGTGTGGATGAGCTGGAGAGGATCAGGAGGAGCATACTGCCCTATGGGGACAGCATGGATAGAAT
AGAAAAGGACCGCCTCCAGGGCATGGCACCCGCGGGGAGCAGACCTGGACAAAATTGGGCTGCACAGTGACAG
CCAGGAGGAGCTCTGGATGTTCTGTGAGGAAGAAGCTAATGATGGAACAGGAAAATTGGAATCTCCGAGGAAGCCC
TGGCCCTAAAGGTGACATGGGAAGTCCAGGCCCTAAAGGAGATCGAGGGTTCCCTGGGACTCCAGGTATCCCTGG
GCCCTTGGGGCCACCCAGGTCCACAAGGACCAAGGGTCAAAAAGGCAGCGTGGGAGATCCTGGCATGGAAGGCC
CATGGGCCAGAGAGGGCGAGAAGGCCCATGGGACCTCGTGGTGAAGCAGGGCCTCCTGGATCTGGAGAGAAAGG
GGAAGAGAGGGGCTGCTGGTGAACAGGTCTCATGGCCACCTGGTGTCCAGGTTCTGTGGGTCCCAAAGGTTT
CAGCGGCTCTCCTGGCCACAGGGCCCTCCAGGTCTGTAGGTCTCCAAGGGCTCCGAGGTGAAGTAGGACTTCC
TGGTGTCAAAGGTGACAAAGGACCAATGGGACCACCAGGACCCAAAGGTGACCAGGGTGAGAAAGGACCTCGAGG
CCTCACAGGCGAGCCTGGCATGAGAGGTTGCTGGTGTGTTGGTGAAGCCGGGGCTAAAGGAGCAATGGGTCC
TGCTGGCCACAGCGACACCAAGGCCAAGAGGTGAACAAGGTCTTACTGGGATGCCTGGAATCCGTGGCCACC
AGGACCTTCTGGAGACCCAGGAAAGCCAGGTCTCACAGGACCCAGGGACCTCAGGGACTTCCCGGTACCCCTGG
CCGACCAGGAATAAAAGGTGAACAGGAGCTCCAGGCAAGATCGTGAATTCGGAGGGGTATCGATGCTCACTGT
CCCAGGCCCCCAGGACCTCCTGGAGCCATGGGACCCCAAGGACCTCCAGGTGCCCCAGGCCCCGCGGCCACCAGG
TGGTCTCCCAGGACATCAAGAAGTTCTTAATTTACAAGTCCCCCAGGCCCCACCGGCCACCAGG
GCCTTCCATTCCAGGCCCCACCAGGACCCCGAGGCCCCACCAGGGGAGGGTTTGCCAGGCCCCACCAGGCCCCACCAGG
ATCGTTCTGTCCAACCTCAGAAACCTTCTCTCCGGCCCCCAGGCCCCACCTGGCCCCCAGGTCCCAAGGGAGA
CCAAGGTCCCCCAGGCCCCAGAGGACACCAAGGCGAGCAAGGCCTCCAGGTTTCTCAACCTCAGGGTCCAGTTC
TTTCGGACTCAACCTTACAGGACCAAGGCCCCACCTGGCCCCCAGGACCCAAAGGTGACAAAGGTGATCCAGG
TGTTCCAGGGGCTCTTGGCATTCTAGTGGTCTTCTGAAGGGGGATCATCAAGTACCATGTACGTGTAGGCCCC
GCCAGGGCCCCCTGGGCCCCCTGGGCTCCGGGCTCTATCAGCAGCTCTGGCCAGGAGATTACAGAGTACATCTC
TGAGTACATGCAGAGTGACAGTATTAGATCTTACCTATCCGGAGTTCAGGGTCCCCCAGGCCCCACCTGGTCCCCC
AGGACCTGTACCACCATCACAGGCGAGACTTTCGACTACTCAGAGCTGGCAAGCCACGTTGTGAGCTACTTACG
GACTTCGGGGTACGGTGTGAGCTTGTCTCGTCTCCATCTCTTCTGAAGACATTCTGGCTGTGCTGCAGCGGGA
TGACGTGCGTCACTACCTACGTAGTACTTGTATGGGCCCTCGGGTCCGCCAGGGCCACCAGGAGCCAGTGGAGA
TGGGTCCCTCTGTCTTTGGACTATGCAGAGCTGAGTAGTCGATTTCTCAGCTACATGTGAGTTCTGGGATCAG

3317/6881
FIGURE 3058B

CATTGGGCTTCTGGTCCCCCGGGGCCCCCTGGCTTGCCGGGAACCTCCTATGAGGAGCTCCTCTCCTTGCTGCG
AGGGTCTGAATTCAGAGGCATCGTTGGACCCCCAGGTCCCCCGGGTCCACCAGGGATCCCAGGCAATGTGTGGTC
CAGCATCAGCGTGGAGGACCTCTCGTCTTACTTACATACTGCCGGCTTGTCATTTCATCCCAGGCCCTCCAGGACC
TCCTGGTCCCCCAGGGCCTCGAGGGCCCCCGGGTGTCTCAGGAGCCCTGGCAACCTATGCAGCTGAAAACAGCGA
CAGCTTCCGGAGCGAGCTGATCAGCTACCTCACAAGTCCTGATGTGCGCAGCTTCATTGTTGGCCCCCAGGCC
TCCTGGGCGCGCAGGGACCCCCTGGGGACAGCCGCCTCCTGTCCACGGATGCCTCCCACAGTCGGGGTAGCAGCTC
CTCCTCACACAGCTCATCTGTGAGGCGGGGAGCTCCTACAGCTCTTCCATGAGCACAGGAGGAGGTGGTGCAGG
CTCCCTGGGTGTCAGGCGGTGCCTTTGGTGAAGCTGCAGGAGACAGGGGTCCCTATGGCACTGACATCGGCCCAGG
CGGAGGCTATGGGGCAGCAGCAGAAGGCGGCATGTATGCTGGCAATGGCGGACTATTGGGAGCTGACTTTGCTGG
AGATCTGGATTACAATGAGCTGGCTGTGAGGGTGTGAGAGAGCATGCAGCGTCAGGGCCTACTGCAAGGGATGGC
CTACACTGTCCAGGGCCCACCAGGCCAGCCTGGGCCACAGGGGCCACCCGGCATCAGCAAGGTCTTCTCTGCCTA
CAGCAACGTGACTGCGGACCTCATGGACTTCTTCCAACTTATGGAGCCATTCAAGGACCCCCCTGGGCAAAAAGG
AGAGATGGGCACTCCAGGACCCAAAGGTGACAGGGGCCCTGCTGGGCCACCAGGTCATCCTGGGCCACCTGGCCC
TCGAGGACACAAGGGAGAAAAAGGAGACAAAGGTGACCAAGTCTATGCTGGGCGGAGAAGGAGAAGAAGTATTGC
TGTCAGCCGTGAGCTAGCCATGGCAGGACAGCTCCTGGACCAGGTCTCATAATGCATGTGGCACTTAGGTCCAA
GGTCTCCAGAGGGTGAAAGCTGGAGTCTGTCAATGTCTACTGAGACAGCACAGCCAACCTAGCTAGCAACATTT
GTTTTAGTCTGAACAATATATACTTATAGAATTCAGTCAAAGATACACAATCTGAAACAGCTTCATGGGGTGGAC
TCTAACAGTAGTTGCAATGTTTTAGAAATGAGACTTACTTCTCTGCTATCTAGATCTGAACTCCTTGGCTTCTTTA
CTTAGTTCAAGCCCCAGCCTAGGAAAGCCAGTTACATAAAAGTTGGCTCAGGAGTCTTAGAGCTTTACCTAAATA
TGAGCCCAGAAAACGGAGGATGGGGGTGGGGCGCCTTCTGGAGGTGACACTTGATGGGGGTGTGTTCTGGTTAC
TGTTCTAAGGCTGTGCCATCAGCTCCTTCTCCCTGTTTATTCTGCATTCTCTAGTCAGTTGGCTAAGAAGTGA
CTCTTGCAACTAAAAAATTAAGAAATTCACTTCCCCTCTAGGAGGTGATGATAGGGTTTCTAATGGTTATATGT
ATATCACATTCCCATTTGCTTAGAAAGTCTGATTGTAGCTATGATTGTCCGTAGGCCCATACTAGAGTTCATGGA
TATGTTATACTGAACCAGGCCAGAGCAAACAGAAAAAGAAGGTTGAGGGCAATGGACAAGGAAGGAATAAAGGGA
GAAGAGGGAAAACAGAAAACCTGATGCTGGGGACACAGCATCAGCTCAAGACGTCACCCTCCATTCTGCACTCAG
AAAATGGCACTTGGGGGACTGGGCGCAGTTGGTCTTTAACCACCTTTCAATGTCTAAAAACATTTGTTTGTGGTC
TATAAGATGAAACATCATTTCAATCGTAAAATTTCCCATTAAGAAGTTTTTTTTTCTAA

3318/6881
FIGURE 3059A

CTGGTCTCCGCGTGTGTGAGTACCGCGGCGCGAGGTTAGTGGTAGCTGGGTGCAGACGCCGTGGCGCTGGAGACC
CAAACATGGCAAACCTGGAAGAAAGCTTCCCCGAGGAGGTACAAGAAAGATCCACAAACCAGAGAAAGCTTTCC
AGCAGTCAGTTGAACAAGACAACCTTATTTGATATTTCTACTGAAGAGGGATCCACCAAAAGAAAAAGAGCCAGA
AGGGGCCAGCAAAAACAAAAAGTTGAAAATCGAAAAGAGAGAAAAGCAGCAAGTCCGCAAGAGAGAAGTTTGAAA
TCCTTAGTGTGAGTCCCTGTGTGAGGGAATGCGTATTTTGGGTTGCGTGAAAGAGGTGAATGAACTGGAAGTGG
TGATTAGTCTCCCAATGGCCTCCAGGGCTTTGTGCAAGTCACTGAAATCTGTGATGCCTACACCAAAAGCTGA
ATGAGCAGGTGACACAAGAACAACCTCTGAAGGACCTACTTCACTTGCCTGAACCTTTCTCACCTGGAATGCTGG
TAAGATGTGTGGTGAGCAGTCTGGGCATCACAGACAGGGGCAAGAAGAGTGTCAAGCTGTCTCTGAACCCCAAAA
ATGTCAACAGAGTGTGAGTGTCTGAGGCCCTGAAGCCTGGCATGCTACTTACAGGTACCGTATCCAGCCTGGAAG
ACCATGGCTACCTAGTGGACATTGGTGTGATGGGACCAGAGCTTTTCTGCCACTGCTGAAAGCCCAGGAGTACA
TCAGACAGAAGAACAAGGTGCTAAACTAAAGGTGGGTCACTACCTGAACTGCATTGTTGAAAAGGTGAAAGGCA
ACGGAGGAGTTGTTAGTCTGTCTGTTGGTCACTCAGAGGTTTCTACGGCCATTGCTACTGAACAGCAGAGCTGGA
ACCTTAATAACTTGCTACCAGGACTGGTGGTCAAAGCTCAGGTACAGAAGGTGACTCCATTTGGCCTTACGCTAA
ACTTCCTCACATTCTTACGGGCGTGGTTGACTTTATGCACCTGGATCCCAAGAAAGCTGGAACATATTTCTCAA
ATCAGGCAGTGAGGGCCTGCATCCTTTGCGTCCATCCTCGAACCCAGAGTTGTGCACCTGAGCCTGCGCCCCATCT
TCCTACAGCCTGGACGCCCACTCACCCGACTCTCTTGCCAGAACCCTGGAGCAGTGCTGGATGATGTTCTGTCC
AGGGTTTTTTTCAAAAAGGCTGGGGCCACCTTTAGGCTGAAGGATGGGGTTCTGGCCTATGCCCGCTCAGCCATC
TCTCTGATTCTAAGAAGCTCTTCAATCCTGAGGCCCTTCAAGCCAGGGAACTCACAAGTGTAGAATTATTGACT
ACAGCCAAATGGATGAACTGGCCTTGCTCTCTCTACGAACGTCTATTATTGAAGCTCAGTACCTTAGATATCATG
ACATCGAACCTGGGGCAGTGGTAAAGGGCACAGTGCTAACCATAAAGTCATATGGGATGCTGGTGAAGGTGGGCG
AGCAGATGAGGGGCTGGTACCTCCCATGCACCTGGCTGACATCCTGATGAAGAATCCGGAGAAGAAGTACCACA
TCGGGGATGAGGTCAAGTGCCGGGTTTTGCTTTGTGACCCTGAAGCCAAGAAGCTGATGATGACCCTGAAAAAAA
CCCTGATTGAGTCCAAACTACCTGTCAATTACCTGCTATGCCGATGCCAAGCCTGGTCTGCAGACACATGGCTTCA
TCATCAGGGTCAAGGACTATGGCTGCATTGTGAAGTTCTACAACAATGTGCAGGGACTGGTGCCCAAGCATGAGC
TCAGTACTGAGTATATCCCTGACCCGGAGAGAGTTTTTACACTGGCCAGGTGGTGAAGGTTGTCTGATTGAACT
GTGAGCCATCCAAAGAGAGGATGCTCTTATCCTTCAAGCTGTGAGTGATCCAGAGCCAAAGAAAGAGCCTGCAG
GACACAGTCAGAAGAAAGGAAAAGCCATTAACATTGGGCAGTTGGTAGATGTGAAGGTTTTAGAGAAGACCAAAG
ATGGGCTGGAGGTGGCTGTCTGCCCCACAACATCCGTGCTTTCTCCACATCTCATCTGTCTGAGCCAGAGCG
CCAACGGCCCATTTGTTACATCATTGGCTCCAGGCAGGTGACATCCTTACCGAGTCTGTGTCTGAGCCAGAGCG
AGGGGCGTGTCTTCTTTGTCAGGAAGCCAGCCTTGGTCTCCACAGTAGAAGGTGGCCAGGATCCCAAGAACTTCT
CAGAAATCCATCCTGGAATGCTGCTCATTGGTTTTGTGAAGAGCATCAAGGACTATGGCGTGTTCATCCAGTTCC
CCTCAGGTCTTAGCGGACTGGCCCCAAAAGCTATCATGAGTGACAAATTTGTGACCTCCACAAGTGACCACTTG
TTGAGGGCCAGACAGTAGCGGCAAAGGTGACCAATGTGGATGAGGAGAAGCAGCGGATGCTGCTGTCACTGCGGC
TGTCGGACTGTGGTCTGGGGGACTTGGCTATCACCAGCCTCCTCCTCCTGAATCAGTGCCCTGGAGGAGCTGCAGG
GCGTGCGCAGCCTTATGAGCAACCGAGACTCTGTGTTGATCCAGACGCTGGCCGAGATGACCCCAGGAATGTTCC
TTGACCTAGTGGTGCAGGAGGTGTTGGAAGATGGCTCTGTGGTATTCAAGTGGGGGTCCAGTGCCCGACCTGGTCC
TGAAAGCCAGCAGATACCATCGCGCAGGGCAGGAGGTGGAATCTGGGCAGAAAAAGAAGGTTGTTATCTTAAATG
TTGATCTTTTGAAGTTGGAAGTGACGTTTTCCCTTACCAGGACTTGGTGAATAGAAAAGCTAGAAAAGCTGAGGA
AAGGCAGCGAACACCAGGCGATTGTGCAGCACTTGGAGAAGTCCTTTGCCATTGCCTCCTTGGTAGAGACGGGCC
ACCTGGCAGCTTTCTCCCTGACCTCTCACCTCAACGACACCTTCCGCTTTGACTCAGAGAAATTGCAGGTGGGAC
AGGGTGTCTCCCTAACCTCAAGACCACAGAACCAGGAGTGACTGGCCTTCTTTTGGCTGTGGAGGGGGCCGGCTG
CCAAGAGGACCATGAGGCCGACCCAGAAGGACTCTGAGACAGTTGATGAGGATGAAGAAGTGATCCAGCTCTGA
CTGTAGGGACCATAAAGAAGCACACCTCTCCATCGGGGACATGGTCACAGGGACTGTCAAGTCCATTAAGCCTA
CCCATGTGGTTGTGACTCTGGAAGATGGCATTATTGGCTGTATCCATGCCTCCCACATTCTAGATGATGTTCCAG
AGGGCACCTCTCCTACTACCAAGCTGAAGGTTGGGAAGACGGTCACTGCCCGAGTGATTGGCGGGCGAGACATGA
AGACATTCAAGTATCTCCCAATAAGTCACCCAGATTGTTTGAACCATCCCGGAGCTGAGTGTTTCGGCCAAGTG
AGCTGGAGGATGGCCCACTGCTCTTAACACTCACTCTGTTAGCCCCATGGAGAAGATTAAACAGTACCAGGCCG
GCCAGACTGTTACTTGCTTCTTAAAGAAATACAATGTGGTGAAGAAATGGCTTGAGGTGGAGATTGCCCCAGACA

3319/6881
FIGURE 3059B

TCCGGGGGAGAATTCCCTTATTGCTCACTTCTCTGAGCTTCAAGGTTCTGAAGCATCCAGATAAGAAGTTCCGGG
TTGGCCAGGCCCTGAGGGCCACCGTTGTTGGCCCAGATTCCCTCCAAGACCCCTCTTATGTCTGTCCCTCACAGGTC
CTCACAAGCTTGAGGAAGGGGAAGTGGCCATGGGCCGAGTGGTGAAGGTGACTCCCAACGAGGGGCTGACCGTCT
CCTTCCCCCTTTGGGAAGATAGGAACAGTCAGTATATTTACATGAGTGACTCCTACTCCGAGACGCCCCTGGAAG
ACTTCGTCCCCCAGAAGGTTTTTCAGATGTTACATCCTGTCCACTGCAGACAACGTATTGACTTTGTGCTGCGAT
CATCCAGAACAACCCGGAGACGAAAAGCAAAGTAGAAGATCCAGAGATTAACATCCATCCAGGACATTAAGGAAG
GGCAGCTTCTGAGGGGCTATGTAGGGTCCATCCAGCCACACGGTGTGTTCTTTTCGCCTTGGCCCCCTCCGTTGTGG
GTTTGGCTCGGTACTCCCATGTCTCCAGCACAGCCCGTCCAAGAAAGCCCTTTATAACAAACACCTCCCTGAAG
GGAAGCTGCTCACAGCCAGGGTCTACGCCTTAACCACCAGAAGAACCTGGTAGAGCTGTCTTCTCCCTCCCGGAG
ACACTGGGAAGCCAGACGTGCTTCTGCTTCCTTGGAAGGGCAACTTACAAAGCAAGAGGAGAGGAAAACAGAGG
CTGAGGAGAGAGACCAAAAAGGGGAAAAGAAAATCAGAAAAGGAACGAGAAGAAGAACAGAGGGGGCAGGAGG
AGGTGGAGATGCCCAGCAAGGAGAAGCAACAGCCCCAGAAGCCACAGGCGCAGAAGCGGGGCGGGCAGGAGTGCC
GGGAGTCTGGGAGTGAGCAGGAAAGAGTGAGCAAGAAGCCAAAGAAAGCCGGCCTGTGAGGAGGAGACGACAGCC
TTGTGGACGTGTACTATCGGGAGGGAAAAGAGGAGGCAGAAGAGACGAATGTGCTGCCCAAGGAGAAGCAAAACCA
AGCCAGCAGAAGCGCCCCGGCTGCAGCTGTCTTCAGGCTTCGCTTGGAATGTGGGACTAGACTCTCTGACCCCCG
CCTTGCCACCTCTAGCAGAGAGCTCAGACAGCGAGGAGGATGAGAAGCCACACCAAGCCACGATAAAAGAAAAGCA
AGAAAGAAAGGGAGTTGGAGAAGCAGAAGGCAGAGAAGGAAGTGTCCCGCATTGAGGAGGCGCTGATGGATCCTG
GGCGGCAGCCAGAGTCCGCGGATGATTTTGACCGACTGGTGTGAGCTCCCCCAACAGCTCCATTCTGTGGCTGC
AGTACATGGCTTTCCACCTGCAGGCCACGGAGATCGAGAAGGCCCGTGCCGTGGCTGAGAGGGCCCTTAAGACCA
TCTCCTTCAGAGAGGAGCAGGAGAAGCTGAACGTGTGGGTGGCTCTGCTGAACCTGGAGAACATGTACGGCTCTC
AGGAGTCCCTGACCAAGGTCTTTGAGCGAGCCGTGCAGTACAACGAGCCTCTCAAAGTCTTCTCCACCTGGCTG
ACATCTACGCCAAGTCAGAGAAAATTCCAGGAAGCTGGTGAAGTCTACAACCGGATGCTGAAGCGTTTCCGGCAGG
AGAAAGCTGTGTGGATCAAATACGGCGCCTTCCTTCTGCGGAGGAGCCAGGCTGCAGCCAGTACCGCGTGTCTGC
AGCGAGCCCTGGAGTGCCTGCCTAGCAAGGAGCATGTGGATGTGATTGCCAAGTTTGCCAGCTTGAGTTTCAGC
TGGGGGATGCAGAGCGGGCCAAAGCCATTTTTGAGAACACGCTGAGCACCTACCCAAAGCGCACAGATGTCTGGT
CGGTCTATATCGACATGACCATCAAGCACGGCAGCCAGAAGGACGTCCGGGACATCTTTGAGCGGGTCATTTCATC
TGAGCTTGGCCCCAAGAGAATGAAGTTCTTCTTCAAGCGCTACCTGGACTACGAGAAGCAGCATGGCACTGAGA
AGGATGTGCAGGCAGTCAAGGCCAAGGCCCTGGAGTATGTGGAGGCCAAGAGCTCAGTGCTAGAGGACTAGTGGC
AGGCTGGCTCTGTGGGACACTGTCAACAATGGGCCAGCCCGGCCCGCCTCGAGTGCCTGGGCACTCGGAAAAC
GTTACCTCAGGACTCTATTTAAATGCTGCTTTTTCTGCAGCACGCTTGGGGAAATCCTGTGAGGATGAAAAGGAA
GTTGAGATTTTTTAAATCCCTCTTCGCTTGCTTTATTTTTCAGTACCAACTTGTTATCTTTTTCTTATCTGAGGC
TACCTGGGGATTGTGGGCAGCAGGCCCTGGACTCCAGAAATGCTGAGGGTCCCTCTTCCAGGGGAGTTCCCTG
GGGAGCAAGAGTAGAGGGGCTATTCCCAGGGTCTGTGGTTCAGGGTCCCTGCTTTGTCCCTGGCAGGCTGTGAGT
CCAGCTGGAGGGGGTCAGTAGGCTCCAGGGAGTGGGCCCTCCCTCCGATCTTGAGTCTCTGGGTGTTCCCTTCA
GCCTCAGCCTCACTGGTACCTTCTGCCCTTTAGGGGAGGCTATGAGTCTGGGACAGGAGGACAAATTCAGAGCCC
AGAGGGGGAAATGGAGAAACCTGGGCTGCTGAGGAAAGCCACGGGTGTTGGCGTGAAGTATGATGTCTCATCCC
ACGCCCCTATGGCCACATTACCTAACCTCTCCATATCTGGGCTATTCAAGGTCTTGAGGGCCAGCACAGACCCA
GCTAGTTGTTGAAGCCAGTTCTTTTTTGTCTTGGTTCATGAGGGAATTAAACGTTTTCTCTGGCAG

3320/6881
FIGURE 3060

MANLEESFPRGGTRKIHKPEKAFQQSVEQDNLFDISTEEGSTKRKKSQKGPACTKKLKIEKRESSKSAREKFEIL
SVESLCEGMRIILGCVKEVNELELVISLPNGLQGFVQVTEICDAYTKKLNEQVTQEQLKDLLHLPELFSPGMLVR
CVVSSLGITDRGKKSVKLSLNPKNVNRVLSAEALKPGMLLTGTVSSLEDHGVLVDIGVDGTRAFLLPKAQEYIR
QKNKGAKLVKGQYLNCIVEKVGKNGGVVSLSVGHSEVSTAIATEQQSWNLNNLLPGLVVKAQVQKVTFFGLTLNF
LTFFTGVVDFMHLDPKKAGTYFSNQAVRACILCVHPRTRVVHLSLRPIFLQPGRPFLTRLSCQNLGAVLDDVPVQG
FFKKAGATFRLKDGVLAYARLSHLSDSKNVFNPEAFKPGNTHKCRIIDYSQMDLALLSLRTSIEAQYLRHYDI
EPGAVVKGTVLTIKSYGMLVKVGEQMRGLVPPMHLADILMKNPEKKYHIGDEVKCRVLLCDPEAKKLMMLTKKTL
IESKLPVITCYADAKPGLQTHGFIIRVKDYGCIVKFYNNVQGLVPKHELSTEYIPDPERVFTYTGQVVKVVVLNCE
PSKERMLLSFKLSSDPEPKKEPAGHSQKKGKAINIGQLVDVKVLEKTKDGLEVAVLPHNIRAFLLPTSHLSDHVN
GPLLHHWLQAGDILHRVLCLSQSEGRVLLCRKPALVSTVEGGQDPKNFSEIHPGMLLIGFVKSIDYGVFIQFPS
GLSGLAPKAIMSDKFVTSTSDHFVEGQTVAAKVTVNDEEKQRMMLSLRLSDCGLGLDLAITSLLLLNQCLEELQGV
RSLMSNRDŠVLIQTLAEMTPGMFLDLVVQEVLEDGSVVFSGGPVPDLVLKASRYHRAGQEVESGQKKKVILNVD
LLKLEVHVSILHQDLVNRKARKLRKGSEHQAIVQHLEKSFAIASLVETGHLAAFLSTSHLNDTFRFDSEKLQVGQG
VSLTLKTTEPGVTGLLLAVEGPAAKRTMRPTQKDSETVDEDEEVDPALTVGTIKKHTLSIGDMVTGTVKSIPKTH
VVVTLEDGIIGCIHASHILDDVPEGTSPPTKLKVGTVTARVIGGRDMKTFKYLPIHPRFVRTIPELSVRPSEL
EDGHTALNTHSVSPMEKIKQYQAGQTVTCFLKKYNNVKKWLEVEIAPDIRGRIPLLLTSLSFVKLVKHPDKKFRVG
QALRATVVGPDSSKTLCLSLTGPHKLEEGEVAMGRVVKVTPNEGLTVSFPFGKIGTVSIFHMSDSYSETPLEDF
VPQKVFRCYILSTADNVLTLSLRSSRTNPETKSKVEDPEINSIQDIKEGQLLRGYVGSIQPHGVFFRLGPSVVG
ARYSHVSQHSPSKKALYNKHLPEGKLLTARVLRNLHQKNLVELSFLPGDTGKPDVLSASLEGQLTKQEERKTEAE
ERDQKGEKKNQKRNEKKNQKQEEVEMPSKEKQPPQKPPQAKRGGRECRESGSEQERVSKPKKAGLSEEDDSL
DVYYREGKEEAETNVLPEKQTKPAEAPRLQLSSGFAWNVGLDSLTPALPPLAESSDSEDEKPHQATIKKSKK
ERELEKQKAEKELSRIEEALMDPGRQPEASDDFDRLVLSSPNSSILWLQYMAFHLQATEIEKARAVAERALKTIS
FREEQEKLNVWVALLNLENMYGSQESLTKVFERAVQYNEPLKVFLHLADIYAKSEKFQEAGELYNRMLKRFRQEK
AVWIKYGAFLLRSSQAAASHRVLQRALECLPSKEHVDVIAKFAQLEFQLGDAERAKAIFENTLSTYPKRTDVWSV
YIDMTIKHGSQKDVRDIFERVIHLSLAPKRMKFFFKRYLDYEKQHGTEKDVQAVKAKALEYVEAKSSVLED

3321/6881
FIGURE 3061

CCGAGAGGTGGTTACATTCGTTGAAGGACACCAGCTGCGGAATTTGCGGCTTTGGCAGACCCAGCTGAGTCACTG
TCACTGCCTACCAATCTCGACCGGACCTCGACCGGCTCGTCTGTGCTGCCAATCGACTCGGCGTGGCGTCGGTTCG
TGGTAGATAGGCGGTTCATGCATACGAATTTTCAGCTCTTGTTCTGGTGACCTTTTGAATACGTCTTGTTCTATAAA
AGAAATTCATGCCTTTGTAAAATACACAGATTGAAATCATGGCAGGTCCAGAAAGTGATGCGCAATACCAGTTCA
CTGGTATTAAAAAATATTTCAACTCTTATACTCTCACAGGTAGAATGAACTGTGTACTGGCCACATATGGAAGCA
TTGCATTGATTGTCTTATATTTCAAGTTAAGGTCCAAAAAACTCCAGCTGTGAAAGCAACATTAAATGGATTTTA
AACTGTCTACGGTTCTTAACCTCATCTGTTAAGTTCCCATGCCTGGAGAAGCTAATGCCAACTCATCATGTGATA
ATTCAATTTGTACAATAAATTATGAACCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

3322/6881
FIGURE 3062

MAGPESDAQYQFTGIKKYFNSYTLTGRMNCVLATYGSIALIVLYFKLRSKKTPAVKAT

3323/6881
FIGURE 3063

CGGCATGTGGAAGAAGGTGAAGATGGCGGTGGCCAGGGCCGGGGTCTTGGGAGTCCAGTGGCTGCAAAGGGCATC
CCGGAACGTGATGCCGCTGGGCGCACGGACAGCCTCCCACATGACCAAGGACATGTTCCCGGGGCCCTATCCTAG
GACCCCAGAAGAACGGGGCCGCCGCCGCAAGAAGTATAATATGCGTGTGGAAGACTACGAACCTTACCCGGATGA
TGGCATGGGGTATGGCGACTACCCGAAGCTCCCTGACCGCTCACAGCATGAGAGAGATCCATGGTATAGCTGGGA
CCAGCCGGGGCTGAGGTTGAACTGGGGTGAACCGATGCACTGGCACCTAGACATGTACAACAGGAACCGTGTGGA
TACATCCCCCACACCTGTTTCTTGGCATGTCATGTGTATGCAGCTCTTCGGTTTCCTGGCTTTCATGATATTCAT
GTGCTGGGTGGGGGACGTGTACCTGTCTACCAGCCTGTGGGACCAAAGCAGTATCCTTACAATAATCTGTACCT
GGAACGAGGCGGTGATCCCTCCAAAGAACCAGAGCGGGTGGTTCACTATGAGATCTGAGGAGGCTTCGTGGGCTT
TTGGGTCCTCTAACTAGGACTCCCTCATTCCTAGAAATTTAACCTTAATGAAATCCCTAATAAAACTCAGTGCTG
TGTTAAAAA

3324/6881
FIGURE 3064

MAVARAGVLGVQWLQRASRNVMLGARTASHMTKDMFPGPYPRTPPEERAAAkkYNMRVEDYEPYPDDGMGYGDY
PKLPDRSQHERDPWYSWDQFGLRLNWGEPMHWHLDMYNRNRVDTSPVSWHVMCMQLFGFLAFMIFMCWVGDVY
PVYQPVGPKQYPYNNLYLERGGDPSKEPERVVHYEI

3325/6881
FIGURE 3065

ACGGTCACCCGTTGCCAGCTCTAGCCTTTAAATTCCCGGCTCGGGGACCTCCACGCACCGCGGCTAGCGCCGACA
ACCAGCTAGCGTGCAAGGCGCCGCGGCTCAGCGCGTACCGGCGGGCTTCGAAACCGCAGTCCTCCGGCGACCCCG
AACTCCGCTCCGGAGCCTCAGCCCCCTGGAAAGTGATCCCGGCATCCGAGAGCCAAGATGCCGGCCCACTTGCTG
CAGGACGATATCTCTAGCTCCTATACCACCACCACCATTACAGCGCCTCCCTCCAGGGTCTGCAGAATGGA
GGAGATAAGTTGGAGACGATGCCCCCTACTTGGAAGACGACATTGCCCCTGATATAAAAGATGATATATATGAC
CCCACCTACAAGGATAAGGAAGGCCCAAGCCCCAAGGTTGAATATGTCTGGAGAAACATCATCCTTATGTCTCTG
CTACACTTGGGAGCCCTGTATGGGATCACTTTGATTCTACCTGCAAGTTCTACACCTGGCTTTGGGGGGTATTCT
TACTATTTTGTCTAGTGCCCTGGGCATAACAGCAGGAGCTCATCGTCTGTGGAGCCACCGCTCTTACAAAGCTCGG
CTGCCCCCTACGGCTCTTTCTGATCATTGCCAACACAATGGCATTCCAGAATGATGTCTATGAATGGGCTCGTGAC
CACCGTGCCACCACAAGTTTTTCAGAAACACATGCTGATCCTCATAATTCCCGACGTGGCTTTTTCTTCTCTCAC
GTGGGTTGGCTGCTTGTGCGCAAACACCCAGCTGTCAAAGAGAAGGGGAGTACGCTAGACTTGTCTGACCTAGAA
GCTGAGAAACTGGTGATGTTCCAGAGGAGGTACTACAAACCTGGCTTGCTGATGATGTGCTTCATCCTGCCCACG
CTTGTGCCCTGGTATTTCTGGGGTGAAACTTTTTCAAACAGTGTGTTTCGTTGCCACTTTCTTGCGATATGCTGTG
GTGCTTAATGCCACCTGGCTGGTGAACAGTGCTGCCCACCTCTTCGGATATCGTCTTATGACAAGAACATTAGC
CCCCGGGAGAATATCCTGGTTTCACTTGGAGCTGTGGGTGAGGGCTTCACAACCTACCACCACTCCTTTCCCTAT
GACTACTCTGCCAGTGAGTACCGCTGGCACATCAACTTCACCACATTCTTCATTGATTGCATGGCCGCCCTCGGT
CTGGCCTATGACCGGAAGAAAGTCTCCAAGGCCGCCATCTTGCCAGGATTAAAGAACCAGGAGATGGAAACTAC
AAGAGTGGCTGAGTTTGGGGTCCCTCAGGTTCTTTTTCAAACAGCCAGGCAGAGGTTTTAATGTCTGTTTA
TTAACTACTGAATAATGCTACCAGGATGCTAAAGATGATGATGTTAACCCATTCCAGTACAGTATTCTTTTAAAA
TTCAAAGTATTGAAAGCC

3326/6881
FIGURE 3066

TCTCTTGATTCTCTAGTCTCTCGATATGGCACCTCCGTCAGTCTTTGCCGAGGTTCCGCAGGCCAGCCTGTCCTG
GTCTTCAAGCTCACTGCCGACTTCAGGGAGGATCCGGACCCCGCAAGGTCAACCTGGGAGTGGGAGCATATCGC
ACGGATGACTGCCATCCCTGGGTTTTTGCCAGTAGTGAAGAAAGTGGAGCAGAAGATTGCTAATGACAATAGCCTA
AATCACGAGTATCTGCCAATCCTGGGCCTGGCTGAGTTCCGGAGCTGTGCTTCTCGTCTTGCCCTTGGGGATGAC
AGCCAGCACTCAAGGAGAAGCGGGTAGGAGGTGTGCAATCTTTGGGGGGAACAGGTGCACCTCGAATTGGAGCT
GATTTCTTAGCGCGTTGGTACAATGGAACAAACAACAAGAACACACCTGTCTATGTGTCCTACCAACCTGGGAG
AATCACAATGCTGTGTTTTCCGCTGCTGGTTTTAAAGACATTGGTCTATCGCTACTGGGATGCAGAGAAGAGA
GGATTGGACCTCCAGGGCTTCCTGAATGATCTGGAGAATGCTCCTGAGTTCTCCATTGTTGTCCTCCACGCCTGT
GCACACAACCAACTGGGATTGACCCAACCTCCGGAGCAGTGAAGCAGATTGCTTCTGTCATGAAGCACCGGTTT
CTGTTCCCTTCTTTGACTCAGCCTATCAGGGCTTCGCATCTGGAAACCTGGAGAGAGATGCCTGGGCCATTTCGC
TATTTTGTGCTGAAGGCTTCGAGTTCTTCTGTGCCAGTCTCTTCCAAGAACTTCGGGCTCTACAATGAGAGA
GTCGGGAATCTGACTGTGGTTGGAAAAGAACCTGAGAGCATCCTGCAAGTCTTTCCCAGATGGAGAAGATCGTG
CGGATTACTTGGTCCAATCCCCCGCCAGGGAGCACGAATTGTGGCCAGCACCTCTCTAACCTGAGCTCTTT
GAGGAATGGACAGGTAATGTGAAGACAATGGCTGACCGGATTCTGACCATGAGATCTGAACTCAGGGCACGACTA
GAAGCCCTCAAAACCCCTGGGACCTGGAACCACATCACTGATCAAATTGGCATGTTGAGCTTCACTGGGTTGAAC
CCCAAGCAGGTTGAGTATCTGGTCAATGAAAAGCACATCTACCTGCTGCCAAGTGGTCAATCAACGTGAGTGGC
TTAACCACCAAAAATCTAGATTACGTGGCCACCTCCATCCATGAAGCAGTCACCAAAATCCAGTGAAGAAACACC
ACCCGTCCAGTACCACCAAAAGTAGTTCTCTGTGTCATGTGTGTTCCCTGCCTGCACAAACCTACATGTACATACCAT
GGATTAGAGACACTTGCAGGACTGAAAGCTGCTCTGGTGAGGCAGCCTCTGTTTAAACCGGCCCCACATGAAGAG
AACATCCCTTGAGACGAATTTGGAGACTGGGATTAGAGCCTTTGGAGGTCAAAGCAAATTAAGATTTTTATTAA
GAATAAAAGAGTACTTTGATCATGAGACATAGGTATCTTGTCCCTCTCACTAAAAAGGAGTGTGTTGTGTGGCGG
CCACGTGCTTCTATGTGGTGTGTTGACTCTGTACAAATTCTAGTCCCAAAGATCAAGTTGTCTGAAGGAGCCAAAG
TGTGAATGTGGGTGTCGGCTGCGGCATTAAATTCATCATCTCAACCCAGAGTGTCTGGTCTCCCTGCTCTTTCTG
CATGGTTGTGTCCCTAGTCCTAAGCTTTGGTTCTTTAGGGTGACTGTGGTAAGAAGGATATTTAATCATGACATG
CACGGACACGTACATATTTAACTGAAACAAGTTTTACCAAACAGTATTTACTCGTGATGTGCGTAGTGCAATCTG
ATATTTTTGAGCCATTCTATTGTGTTCTACTTCACCTAAAAAATAAAATAAAATGTTGATCAAG

3327/6881
FIGURE 3067

MAPPSVFAEVPQAQPVLVFKLTADFREDPDPRKVN LGVGAYRTDDCHPWVLPVVKKVEQKIANDNSLNHEYLPIL
GLAEFRSCASRLALGDDSPALKEKRVGGVQSLGGTGALRIGADFLARWYNGTNNKNTPVYVSSPTWENHNAVFS
AGFKDIRSYRYWDAEKRGDLQGFLNDLENAPEFSIVVLHACAHNPTGIDPTPEQWKQIASVMKHRFLFPFFDSA
YQGFASGNLERDAWAIRYFVSEGFEFFCAQSFSKNFGLYNERVGNLTVVGKEPESILQVLSQMEKIVRITWSNPP
AQGARIVASTLSNPELFEEWTGNVKTMA DRILTMRELRLARLEALKTPGTWNHITDQIGMFSFTGLNPKQVEYLV
NEKHIYLLPSGRINVSGLTTKNLDYVATSIHEAVTKIQ

3328/6881
FIGURE 3068A

GGCTGGGGGGCCGCGGGCGGGAGGCGGATAAAAAGGCCCCAGGGCGCCCGGGAGGGAGCCCGTTAGCGCTGCTC
CGCCGCGGGCGCCCGCCAGCCCGGACTGTCCGCGCTCCATCTGGTATCTTGGCCTCAGCTGTCTTGAAGTCAC
CATGGCGAGGTCCCCACCAGCCACCCTCTTTCTGTTCTGCTGCTGCTAGGCCAGCCCCCTCCCAGCAGGGCCACA
GTCAGTGGGCACCACTAAGCTCCGGCTGGTGGGCCAGAGAGCAAGCCAGAGGAGGGCCGCTGGAGGTGCTGCA
CCAGGGCCAGTGGGGCACCCTGTGTGATGACAACCTTTGCTATCCAGGAGGCCACAGTGGCTTGGCCGACGCTGGG
CTTCGAAGCTGCCCTGACCTGGGCCACAGTGCCAAGTACGGCCAAGGGGAGGGACCCATCTGGCTGGACAATGT
GCAGTGTGTGGGCACAGAGAGCTCCTTGGACCAGTGCGGGTCTAATGGCTGGGGAGTCAGTGACTGCAGTCACTC
AGAAGACGTAGGGGTGATATGCCACCCCGGCGCCATCGTGGCTACCTTTCTGAAACTGTCTCCAATGCCCTTGG
GCCCCAGGGCCGCGGCTGGAGGAGGTGCGGCTCAAGCCCATCCTTGCCAGTGCCAAGCAGCATAGCCAGTGAC
CGAGGGAGCCGTGGAGGTGAAGTATGAGGGCCACTGGCGGCAGGTGTGTGACCAGGGCTGGACCATGAACAACAG
CAGGGTGGTGTGCGGATGCTGGGCTTCCCCAGCGAGGTGCCTGTGACAGCCACTACTACAGGAAAGTCTGGGA
TCTGAAGATGAGGGACCCTAAGTCTAGGCTGAAGAGCCTGACGAATAAGAACTCCTTCTGGATCCACCAGGTAC
CTGCCCTGGGGACAGAGCCCCACATGGCCAAGTGCAGGTGCAGGTGGCTCCAGCCCCGGGCAAGCTGCGGCCAGC
CTGCCCAGGTGGCATGCATGCTGTGGTCAGCTGTGTGGCAGGGCCTCACTTCCGCCCCAGCAAGACAAAGCCACA
ACGCAAAGGGTCTTGGGCAGAGGAGCCGAGGGTGCCTGCGCTCCGGGGCCAGGTGGGCGAGGGCCGGGTGGA
AGTGCTCATGAACCGCCAGTGGGGCACGGTCTGTGACCACAGGTGGAACCTCATCTCTGCCAGTGTCTGTGTCTG
TCAGCTGGGCTTTGGCTCTGCTCGGGAGGGCCCTTTTGGGGCCCGGCTGGGCCAAGGGCTAGGGCCCATCCACCT
GAGTGAGGTGCGCTGCAGGGGATATGAGCGGACCCTCAGCGACTGCCCTGCCCTGGAAGGGTCCCAGAATGGTTG
CCAACATGAGAATGCTGCTGCTGTCAGGTGCAATGTCCCTAACATGGGCTTTTCAAGATCAGGTGCGCTTGGCTGG
TGGGCGTATCCCTGAGGAGGGGCTATTGGAGGTGCAGGTGGAGGTGAACGGGGTCCCACGCTGGGGGAGCGTGTG
CAGTGAAGAACTGGGGCTCACCGAAGCCATGGTGGCCTGCCGACAGCTCGGCCTGGGTTTTGCCATCCATGCCTA
CAAGGAAACCTGGTTCTGGTCGGGGACGCCAAGGGCCAGGAGGTGGTGTGATGAGTGGGGTGCCTGCTCAGGCAC
AGAGCTGGCCCTGCAGCAGTGCCAGAGGCACGGCCGGTGCCTGCTCCCACGGTGGCGGGCGCTTCTTGGCTGG
AGTCTCCTGCATGGACAGTGCACCAGACCTGGTGTGTAACGCCAGCTAGTGCAGGAGACGGCCTACTTGGAGGA
CCGCCCCGCTCAGCCAGCTGTATTGTGCCACGAGGAGAACTGCCTCTCCAAGTCTGCGGATCACATGGACTGGCC
CTACGGATACCGCCGCTATTGCGCTTCTCCACACAGATCTACAATCTGGGCCGACTGACTTTTCGTCCAAAGAC
TGGACGCGATAGCTGGGTTTGGCACCAGTGCCACAGGCATTACCACAGCATTGAGGTCTTACCCACTACGACCT
CCTCACTCTCAATGGCTCCAAGGTGGCTGAGGGGCACAAGGCCAGCTTCTGTCTGGAGGACACAAACTGCCCCAC
AGGACTGCAGCGCGCTACGCATGTGCCAACTTTGGAGAACAGGGAGTGACTGTAGGCTGCTGGGACACCTACCG
GCATGACATTGATTGCCAGTGGGTGGATATCACAGATGTGGGCCCCGGGAATTATATCTTCCAGGTGATTGTGAA
CCCCACTATGAAGTGGCAGAGTCAGATTTCTCCAACAATATGCTGCAGTGCCGCTGCAAGTATGATGGGCACCG
GGTCTGGCTGCACAACCTGCCACACAGGGAATTCATACCCAGCCAAATGCAGAACTCTCCCTGGAGCAGGAACAGCG
TCTCAGGAACAACCTCATCT**TGA**AGCTGTCACTGCACACTCCTAGCTGCTGCCGATACACCAGATACCTCAGCTTA
TTGGAGCCATGCCCTTACAGAGTCCCAACTCAGAGGAAAAGGGCCAGTGCCAAGGGGCACCAAGAACCTGCTCA
GGAAGCCTTTTGATGGCAAGATACCAATCCAGATGGTATTGCTCCCTCAGGATGGCTCTGGGCCTGCCCCTAAG
GGCCTGTGGCCTATGGAATATGTCCTCCAGGCTTTGCTCAGCTGAGCTCCTCTTCTGTAAGGAAACCCAGTCATC
CCTGAATCTTGCCACAGAGATCCGGGATTCCAGGAGCTCTCAGTTTCTTAGGGATGGACTATGGCCCAGTCCCCCA
TCTAAGTGGTGTCTTGCAAATGTCTTGGAGGAGTATAGGACAGAGGACCAAATACACAGCAGGTAGTGTAGCT
CTCTGCTAGGAGCTCAAAGCAACACAACCTTGTATCAAAATCACAACCTGGCAGAGAAGCTGGTGGATCCAATCCTT
TCTTCACTGTGTGTTATTTAGAACTCACCTCTCACACTCTGTTCTTTAGTGTCTTACCTTTATCTTACCACACA
CATGGGTGTTTCTATTATCCTTGGGAAGCACAGACCTCGGGCATCCCTTATTGCCTGATGGGCCAACACCAACAG
TTACGGAGTGCTTGAGAAGGGGCAAGTTTTACAGAAATGGCCAGATAGGGCCTTCTACAGAGCAGCAAGAGTAG
GCCAAGCAGAAAGACTGCTGAGGTAACACGGACCCAGCCCCGTGTCAGGGCCTTGCCAAGGAAATAATATGGAC
CATTTACCTGGCAGGCAGTCTGCTCTCTCAGGATCACCACGCATCTCAGGATTGGTCTAAACTTCAAGTCTCA
ACCAAGTGTCTGAAGTGAACCTTTGCATTGAATAAATTTTTGCCATGGAAAGAACATCAAACAAGCCACTCATCTC
TACAGAGATAAGAAAACAAGTTTTGGCAGAGCAAGAGACAGAAGACCGTGGAGAAATCAGAAGGGGGAACAGTCAG
TTAGTTAAGGATGGAACCTGGGAAAGGCCACCATTCTGCTTGTATGGGGCTCTGATTTGCTCTTGCTCAAGTGG
AATAAAACCCCATGGTCTTCTTGACATGATTCTTGATCTTTTCTCCACTGAGACACACTTAAGTGATGATCCTTA

3329/6881
FIGURE 3068B

CAGGACTGACACCCTAATGCCAATAAAAGTTGCTCATTATGGACTGCTACAAAAAAAAAAAAAAAAA

3330/6881
FIGURE 3069

MARSPPATLFLFLLLLGQPPPSRPQSLGTTKLRLVGPESKPEEGRIEVLHQGQWGTVCDDNFAIQEATVACRQLG
FEAALTWAHSAKYQGEGPIWLDNVQCVGTESSLDQCGSNGWGVSDCSHSEDVGVICHPRRHRGYLSETVSNALG
PQGRRLLEEVRCLKPILASAKQHSPVTEGAVEVKYEGHWRQVCDQGWTMNSRVVCGMLGFPSEVPVDSHYRKVWD
LKMRDPKSRLKSLTNKNSFWIHQVTCLGTEPHMANCQVQVAPARGKLRPACPGGMHAVVSCVAGPHFRPPKTKPQ
RKGSWAEEPRVRLRSGAQVGEGRVEVLMNRQWGTVC DHRWNLISASVVCRLGFGSAREALFGARLGQGLGPIHL
SEVRCRGYERTLSDCPALEGSQNGCQHENA AAVRCNVPNMGFQNVRLAGGRIPEEGLLEVQVEVNGVPRWGSVC
SENWGLTEAMVACRQLGLGF A IHAYKETWFWSGTPRAQEVVMSGVRCSGTELALQQCQRHGPVHCSHGGGRFLAG
VSCMDSAPDLVMNAQLVQETAYLED RPLS QLYCAHEENCLSKSADHMDWPYGYRRLLRFS TQIYNLGRTDFRPKT
GRDSWVWHQCHRRHYHSIEVFTHYDLLTLNGSKVAEGHKASF CLED TNCP TGLQRRYACANFGEQGVTVCWD TYR
HDIDCQWVDITDVGP GNYIFQVIVNPHYEVAESDFSNNMLQCRCKYDGH RVWLHNCHTGN SYPANAELSLEQEQR
LRNNLI

3331/6881
FIGURE 3070

GAAAGGAGGAGAGGAAGAGAGGACTAAGAGGGGAGCAAGGCGAGGAGGCCGCGGGCGGGCGCAGCGGGCACCCTGGG
CCGTGCTGCCCCCGCGAGCAAGGCGCCGCCATTCCGCTGCTCGGGGCGCCGCCGCCGCCGCCACCGCGCCCAGGG
GCCATGCTCCCCGCGCCCCCGCGCCAGCCGCCGCCGCCAGGCGCGTGCGGCCCGCGGGCGCGGTGCGCCTGCAGCGG
CCCTTCTGCGCAGCCCCGCTGGGCGTGTTGCGGCTGCTGCAGCTGCTGGCCGGCGCTGCCTTCTGGATCACTATC
GCCACCAGCAAGTACCAGGGCCCCGTGCACTTCGCGCTCTTCGTGTCCGTGCTCTTCTGGCTGCTCACCCTGGGC
CTCTACTTCTCAGCTGCTGGGCAAGCACGAGCTGGTCCCCGTGCTGGGCTCGCGCTGGCTCATGGTCAACGTG
GCGCAGATGTGCTGGCGGCCGCGCTCTACGGCGCCGCCACCGGCATCATGAGCGACCAGATGCAGCGCCACAGC
TACTGCAACCTCAAGGATTACCCGCTCCCCGTGCGCTACCACGCCTTCTGGCGGCCGCGCTGCTGCGGCGGCGTC
TGCCACGGCCTCTACCTGCTTTCGGCGCTCTATGGCTGCGGGCGTGCCTGCCAGGGCAAGCAGGAGGTGGCGTGA

GGCCGCCCCGCGCCCCGCGCGGGCCCCGATCGGGGCGGGGGAATCCCCGAGACCAGCCTCCTTAATCCTTCCCCC
GCCGCGCCCCCGCGCGGGTGCGCCCTGGCACCCTCTCCCTGCCCTCCAGCGTTTTCCACTGTGCCCCGCGCCCCGG
AACCCTGACGCTCAGCTCCCGCCGACGGCAGCGCGCGCGCCGAGCAATCCCAGCCCAGAATCCCGACCGCCG
CGCCGGACGCGCCGTCTCCCGGACAAGCGCAGGCTGCGATCCGAGGGGCTGACACACACTCGCAGACGAGCCGC
CCCCAGGCGAAACCTCGCGGTTCTCTTCCCTTCCCTGCTGAGACTAAGACGTGGACAGGGGCCGCGCAGATCCG
GGGAGGCTCCCAAATTGGAACCAGGCTTCTGGCTGCCCTTCCCTCCCGCCCCGTGGTGGGAAGAGCACTCCC
TTCCCTGGCCCCCTCATCCAGCCTCCGGTGCTGTAAACGCAGGCGCTGGGCCGCGGGCGGAGCTGAGGACAGGCC
TTGGCTGGTCCAGGATGAGCGACGAGTTTGGTTTTAGCTGGGGATTGTGCTGGCATCCTGCGAAGCTCCTCCCA
GCCGCTCTCTGTGCTCGGTTGTCTTGGGGTGGGGCCCATCCGCCAGGTGGGGACCGATAGGAGAAGCCGGTG
GGTTGTACCCTTACACTTGTGGAGTCTCCTCTTGCCTCTACCTACTCCGCCTTTGTCTTAAGGTTTTGCAAGC
CAGTGCCAAACACACACTAACTGTCTTGGCCTCTCCGTGACACAAGTCTCTTCCAGCCTTCTCAGAGGCTTCT
GCCGCCCCCTCATCTCCACCCTCCCCCATATCTGTTTGCATTAGGAGTTCCACGACCATGGTGGAAATGTTAAGG
TGAACCCACCCCTTCTTACAGATGGGGACCCAGAGCCTGCTCTTGGGAACAGCCAGAGTAAGATTGGAACCCAG
ACTTGCACTCAGCGCTGTTTGCATTAAAGGGTGGGTGAGTCAGGACCCCTGGCTCAGGAGCCGCTCTCTCTAA
AAGAGGGTTTCAAGGCCAAATGGGTTGTCAACGCTGCTGTCTCCCTTTCTTGGAGATGCTCATTAGCTTATCAA
AGACTGAGAAGTCCCGCTGTTACAGAAATAATTTAGTTTGTGTATTAACTGCTCCTGGGCCTGGAGCAGTATTC
CCACCTTAAGATTCCAGCATCCCTGTGCTGTCCCGCTCTCATTTCATGCCGAAGGGCCCAACCCATTGGCTGTG
TTCTGTTTGAAGATTTGGGGGGCGCCTTCTCTTCTTCCCAGGGAATTCTCTAGCAGAGGGAGGGGACCCACCC
CAGTGAGGAAGTAGATTGCTGCCTCTAGCCAGAGACCTGAACTGGGGAATTGAAACATTCTTTTACATTGTTGGA
GAAATGAAGCCAAAGTTATTACAGATGGTTTTCCAGGCTAAAGGAAAGTCACCTGCAAGAGATCCCGGCACTGAT
CTGGAGCAGCTGACAGGGTGGGTCTCCCTTACCAAAGAGAAGAACCCTCTCTGGCGCTGGGGTGACCTGCTGGC
TGGGCCTGTAAGGTTTCCATGTTGCTGAGGCCATGGAGATTCCCAGAGCTGGTCACACCGACCGCTCTCAGGGCC
CGCTGCCCTGGGCTGGCAACACCATTCTGGCCTTGGCCTGCAGAACTTTTCAAGTCTTCACTGGCAGTAGGGGG
AGATGGGGAGAGGAATGATCTCTGCCCAGCCCCCTCCTTTCCAAACCATGCAATGGAAGAGCCCAGATGGGTGAA
GATTGATTTTGCCTTAACTCAAGAGAATTCTGTCTCTCTTGTGCTATGATTGGACACAAGATTCTGGATACCT
GGAACCTAGCTGTGTACTCCTGTACCCTAAACAGTGGATTTGAGTTCCAGCGTTTATTCTTTTTTCTTTTTTCA
GATCACCATCTAAGTTACATCTTTAGCTCAGGTCCATCCTTCTCAAGATCTCCTTCTTAGCCCCCAGCCCCCTGG
TGCTGTCTGTGGTCAGGTGACCTTACTCAGGAGCAGATATCTCCTTGGCCGCCATGGAGCCTCATCCATCCACAC
GTGCTGTAGCATTCCAGAGCTCACTGCCCTTCTAGATGTGCCTTCCCGCTTGGCTTCCAGCGGCTTGTGCTCAC
TCTGTCTGCCAGGTATGAGAAGAACACGTAAGACCGCCACCACACTCACCTCCCTCAAGGCCCTGTGCCATAGG
GGTGGCCACCCGACCTGCCCCAGAATTTTGGATACTGGAGGCAGTTGCATAGGTCTCCCTCTCTGGGCACCG
GACTCAGTCCAGCCCAAGACTACTCTGGGCAGCTCCCATCCAGTCTGGGGCCATTTGCAGACTCAGGAAAGGAT
TTCTACAGTGTCTATAAAAGCCAAAAGAGAGAGTGGGTTTGGGAAGAGTGAGGGTGGTTGGGGAGAGGGGACCG
ATGTGCCCTCATTGTTTAGTGGTGATTACAAATATGCTTTTCTGGATAAAGTTTGGTTGTTTGCTCTTAAAAAAA
AAAAAAAAAAAAAATCTCGA

3332/6881
FIGURE 3071

MLPPPPRQPPPPQARAARGAVRLQRPFRLRSPLGVLRLQLLAGAAFWITTIATSKYQGPVHFALFVSVLFWLLTLGL
YFLTLLGKHELVPVLGSRWLMVNVAVHDVLAALYGAATGIMSDQMQRHSYCNLDYPLPCAYHAFLAAAVCGGVC
HGLYLLSALYGCGRRCQKQGEVA

3333/6881
FIGURE 3072

GATGGAGCCCGACCATCCTTTCTACAGCAACATCAGTAAGGATCGCAGGTATGCAGACCTCACAGAAGATCAGCT
ACCCTCCTGTGAGAGTCTGAAGGATACTATTGCCAGAGCTCTGCCCTTCTGGAATGAAGAAATAGTTCCCCAGAT
CAAGGAGGGGAAACGTGTACTGATTGCAGCCCATGGCAACAGCCTCCGGGGCATTGTCAAGCATCTGGAGGGTCT
CTCTGAAGAGGCTATCATGGAGCTGAACCTGCCGACTGGTATTCCCATTTGTCTATGAATTGGACAAGAACAAGTG
AAGGCCGGCGGGGAGGATACTGTCCCGAGTGCTTCCTGGTGTGTGTATTAGAATCCCTTCCTGCCTTGTTTCATG
GCAGTGAAATGCCTCTTGGTCCTGTCCAAGTGTATCTTTCAGTATTTCTGAATCATGTTCTAGTTGCTTGACCC
TGCCACATGGGTCCAGTGTTTCATCTGAGCATAACTGTACTAAATCCTTTTCCATATCAGTATAATAAAGGAGTG
ATGTGCAATA

3334/6881
FIGURE 3073

GGTTGAGGATGGGCTGGCGGCGGGTCCGGGTCCGCTGCCTGGCGCTGCGGGCGGGCGGGCCATGGTGGTTTGGATT
GAGCCGGGCCCCGGCCGGGGCGCCGAGTCGGAGGGGGTGGCAGTGAGCGGCGGCAGAGGCTACGGGGCTCGGTTTG
GCTGACTGGGGAGTCGGCAGGCGGCAGGAACCATGCGAGGCCAGCGGAGCCTGCTGCTGGGCCCCGGCCCGCCTCT
GCCTCCGCCTCCTTCTGCTGCTGGGTACAGGCGCCGCTGTCCACCTCTACTCCGGGGTCTAGTACAGCGCTGGC
GCTACGGCAAGGTCTGCCTGCGCTCCCTGCTCTACAACCTCCTTTGGGGGCAGTGACACCGCTGTTGATGCTGCCT
TTGAGCCTGTCTACTGGCTGGTAGACAACGTGATCCGCTGGTTTGGAGTGGTGTTCGTGGTCCTGGTGATCGTGC
TGACAGGCTCCATTGTAGCTATCGCCTACCTGTGTGCTCCTGCCTCTCATCCTCCGAACCTACTCAGTGCCACGAC
TCTGCTGGCATTCTTCTATAGCCACTGGAATCTGATCCTGATTGTCTTCCACTACTACCAGGCCATCACCACCTC
CGCCTGGGTACCCACCCAGGGCAGGAATGATATCGCCACCGTCTCCATCTGTAAGAAGTGCAATTTACCCCAAGC
CAGCCCGAACACACCACTGCAGCATCTGCAACAGGTGTGTGCTGAAGATGGATCACCCTGCCCCCTGGCTAAACA
ATTGTGTGGGCCACTATAACCATCGGTACTTCTTCTCTTTCTGCTTTTTTCATGACTCTGGGCTGTGTCTACTGCA
GCTATGGAAGTTGGGACCTTTTCCGGGAGGCTTATGCTGCCATTGAGAAAATGAAACAGCTCGACAAGAACAAC
TACAGGCGGTTGCCAACCAGACTTATCACCAGACCCACCACCCACCTTCTCCTTTTCGAGAAAGGATGACTCACA
AGAGTCTTGTCTACCTCTGGTTCCCTGTGCAGTTCTGTGGCACTTGCCCTGGGTGCCCTAACTGTATGGCATGCTG
TTCTCATCAGTCGAGGTGAGACTAGCATCGAAAGGCACATCAACAAGAAGGAGAGACGTCGGCTACAGGCCAAGG
GCAGAGTATTTAGGAATCCTTACAACCTACGGCTGCTTGACAACTGGAAGGTATTCTGGGTGTGGATACAGGAA
GGCACTGGCTTACTCGGGTGCTCTTACCTTCTAGTCACTTGCCCCATGGGAATGGAATGAGCTGGGAGCCCCCTC
CCTGGGTGACTGCTCACTCAGCCTCTGTGATGGCAGTGTGAGCTGGACTGTGTCAGCCACGACTCGAGCACTCAT
TCTGCTCCCTATGTTATTTCAAGGGCCTCCAAGGGCAGCTTTTCTCAGAATCCTTGATCAAAAAGAGCCAGTGGG
CCTGCCTTAGGGTACCATGCAGGACAATTCAAGGACCAGCCTTTTTTACCCTGCAGAAGAAAGACACAATGTGGA
GAAATCTTAGGACTGACATCCCTTTACTCAGGCAAACAGAAGTTCCAACCCAGACTAGGGGTGAGGCAGCTAGC
TACCTACCTTGCCAGTGCTGACCCGGACCTCCTCCAGGATACAGCACTGGAGTTGGCCACCACCTCTTCTACTT
GCTGTCTGAAAAAACCTGACTAGTACAGCTGAGATCTTGGCTTCTCAACAGGGCAAAGATACCAGGCCTGCTG
CTGAGGTCAGTGCCACTTCTCACATGCTGCTTAAGGGAGCACAAATAAAGGTATTTCGATTTTTAAAGAT

3335/6881
FIGURE 3074A

GGGCGGGAGGACTCGACTCGGTGGGAGCCGCTAGAGCCGGGCGCCCGGGGACGTAGCCTGTAGGGCCACCGGGTC
CCCGTCAGAGGCGGCGGGGAGCAGCGGGGACTGCAGGCCGGGGTGCAGCGAACCGGACCCCGGGGCTGCGGC
CCGGTGTGTGCGGAGCGTGGCGGGGCGCAGCTTACCGGGCGGAGGTGAGCGCGGCGCCGGCTCCTCTGCGGCGGA
CTTTGGGTGCGACTTGACGAGCGGTGGTTCGACAAGTGGCCTTGCGGGCCGGATCGTCCCAGTGGAAGAGTTGTA
AATTTGCTTCTGGCCTTCCCTACGGATTATACCTGGCCTTCCCTACGGATTATACTCAACTTACTGTTTAGAA
AATGTGGCCACGAGACGCCTGGTTACTATCAAAAGGAGCGGGTGCACGGTCCCCACTTCCCTGAGCCTCAG
CACCTGCTTGTGGAAGGGGTATTGAATGTGACATCCGTATCCAGCTTCTGTGTGTCAAAACAACATTGCAA
AATTGAAATCCATGAGCAGGAGGCAATATTACATAATTTAGTTCCACAAATCCAACACAAGTAAATGGGTCTGT
TATTGATGAGCCTGTACGGCTAAAACATGGAGATGTAATAACTATTATTGATCGTTCCTTCAGGTATGAAAATGA
AAGTCTTCAGAATGGAAGGAAGTCAACTGAATTTCCAAGAAAAATACGTGAACAGGAGCCAGCAGCTCGTGTCTC
AAGATCTAGCTTCTCTTCTGACCCTGATGAGAAAGCTCAAGATTCCAAGGCCTATTCAAAAATCACTGAAGGAAA
AGTTTCAGGAAATCCTCAGGTACATATCAAGAATGTCAAGAAGACAGTACCGCAGATGACTCAAAAGACAGTGT
TGCTCAGGGAACAATAATGTTTCATTCCCTCAGAACATGCTGGACGTAATGGCAGAAATGCAGCTGATCCCATTTT
TGGGGATTTTAAAGAAATTTCCAGCGTTAAATTAGTGAGCCGTTATGGAGAATTGAAGTCTGTTCCCACTACACA
ATGCTTGTACAATAGCAAAAAAATGAATCTCCCTTTTGGAAGCTTTATGAGTCAGTGAAGAAAGAGTTGGATGT
AAAATCACAAAAAGAAAATGTCTACAGTATTGTAGAAAATCTGGATTACAACTGATTACGCAACAGAGAAAGA
AAGTGCTGATGGTTTACAGGGGAGACCCAACTGTTGGTCTCGCGTAAGTCAAGACCAAATCTGGTGGGAGCGG
CCACGCTGTGGCAGAGCCTGCTTCACTGAACAAGAGCTTGACCAGAACAAGGGGAAGGGAAGAGACGTGGAGTC
TGTTCACTCCAGCAAGGCTGTGGGCGCCAGCTTCTCTCTATGAGCCGGCTAAAATGAAGACCCCTGTACA
ATATTCACAGCAACAAAATTCTCCACAAAAACATAAGAACAAGACCTGTATACTACTGGTAGAAGAGAATCTGT
GAATCTGGGTAAAAGTGAAGGCTTCAAGGCTGGTGATAAACTCTTACTCCCAGGAAGCTTCAACTAGAAATCG
AACACCAGCTAAAGTTGAAGATGCAGCTGACTCTGCCACTAAGCCAGAAAATCTCTCTTCCAAAACCAGAGGAAG
TATTCCTACAGATGTGGAAGTTCTGCCTACGGAAACTGAAATTCACAATGAGCCATTTTAACTCTGTGGCTCAC
TCAAGTTGAGAGGAAGATCCAAAAGGATTCCCTCAGCAAGCCTGAGAAATTGGGCACTACAGCTGGACAGATGTG
CTCTGGGTTACCTGGTCTTAGTTTCAGTTGATATCAACAACCTTGGTGATTCCATTAATGAGAGTGAGGGAATACC
TTTGAAAAGAAGGCGTGTGTCTTTGGTGGGCACCTAAGACCTGAACTATTTGATGAAAACCTGCCTCCTAATAC
GCCTCTCAAAAGGGGAGAAGCCCCAACCAAAAGAAAGTCTCTGGTAATGCACACTCCACCTGTCTGAAGAAAAT
CATCAAGGAACAGCCTCAACCATCAGGAAAACAAGAGTCAGGTTTCAGAAATCCATGTGGAAGTGAAGGCACAAAG
CTTGGTTATAAGCCCTCCAGCTCCTAGTCCTAGGAAAACCTCAGTTGCCAGTGATCAACGCCGTAGGTCTTGCAA
AACAGCCCTGCTTCCAGCAGCAAAATCTCAGACAGAGGTTCTAAGAGAGGAGGGAGAAAGAGTGGCAACCTGCC
TTCAAAGAGAGTGTCTATCAGCCGAAGTCAACATGATATTTTACAGATGATATGTTCCAAAAGAAGAAGTGGTGC
TTCGGAAGCAAATCTGATTGTTGCAAAATCATGGGCAGATGTAGTAAAACCTTGGTGCAAAACAAACACAACTAA
AGTCATAAAACATGGTCTCAAAGGTCAATGAACAAAAGGCAAAGAAGACCTGCTACTCCAAAGAAGCCTGTGGG
CGAAGTTCACAGTCAATTTAGTACAGGCCACGCAAACTCTCCTTGTACCATAATAATAGGGAAAGCTCATACTGA
AAAAGTACATGTGCCTGCTCGACCTACAGAGTGCTCAACAACCTTCAATTTCCAACCAAAAAATGGACTTTAAGGA
AGATCTTTCAGGAATAGCTGAAATGTTCAAGACCCAGTGAAGGAGCAACCGCAGTTGACAAGCACATGTACAT
CGCTATTTCAAATTCAGAGAATTTGCTTGGAAAACAGTTTCAAGGAAGTATTGAGGAGAAGAACCTCTGCTCCC
CACCTCAGAGAGTTTTGGAGGAAATGTGTTCTTCAGTGACAGAATGCAGCAAAACAGCCATCTGATAAATGCTC
TGCAAGCCCTCCCTTAAGACGGCAGTGTATTAGAGAAAATGGAAACGTAGCAAAAACGCCAGGAACACCTACAA
AATGACTTCTCTGGAGACAAAACTTCAGATACTGAGACAGAGCCTTCAAAAACAGTATCCACTGCAAACAGGTC
AGGAAGGTCTACAGAGTTTCAAGGAATATACAGAAGCTACCTGTGGAAAGTAAGAGTGAAGAAACAAATACAGAAAT
TGTTGAGTGCATCCTAAAAGAGGTCAGAAGGCAACACTACTACAACAAAGGAGAGAAGGAGAGATGAAGGAAAT
AGAAAGACCTTTTGAGACATATAAGGAAAATATTGAATTAAAAGAAAACGATGAAAAGATGAAAGCAATGAAGAG
ATCAAGAAGTGGGGGAGAAATGTGCACCAATGTCTGACCTGACAGACCTCAAGAGCTTGCTGATACAGAACT
CATGAAAGACACGGCAGTGGCCAGAAATCTCCTCAAACCCAAGATCATGCCAAGGCACCAAGAGTGAGAAAGG
CAAAATCACTAAAATGCCCTGCCAGTCATTACAACCAGAACCAATAAACACCCCAACACACACAAAAACAAGTT
GAAGGCATCCCTGGGGAAAGTAGGTGTGAAAGAAGAGCTCCTAGCAGTCGGCAAGTTTACACGGACGTGAGGGGA
GACCACGCACACGCACAGAGAGCCAGCAGGAGATGGCAAGAGCATCAGAACGTTTAAAGGAGTCTCAAAGCAGAT

3336/6881

FIGURE 3074B

CCTGGACCCAGCAGCCCGTGTAAGTGAAGAAGTGGCCAAGAACGCCTAAGGAAGAGGCCAGTCACTAGA
AGACCTGGCTGGCTTCAAAGAGCTCTTCCAGACACCAGGTCCCTCTGAGGAATCAATGACTGATGAGAAAACCTAC
CAAAATAGCCTGCAAATCTCCACCACCAGAATCAGTGGACACTCCAACAAGCACAAAAGCAATGGCCTAAGAGAAG
TCTCAGGAAAAGCAGATGTAGAGGAAGAATTCTTAGCACTCAGGAACTAACACCATCAGCAGGGAAAGCCATGCT
TACGCCCCAAACCAGCAGGAGGTGATGAGAAAGACATTAAAGCATTATGGGAACTCCAGTGCAGAACTGGACCT
GGCAGGAACTTTACCTGGCAGCAAAGACAGCTACAGACTCCTAAGGAAAAGGCCAGGCTCTAGAAGACCTGGC
TGGCTTTAAAGAGCTCTTCCAGACTCCTGGTCACACCGAGGAATTAGTGGCTGCTGGTAAAACCACTAAAATACC
CTGCGACTCTCCACAGTCAGACCCAGTGGACACCCCAACAAGCACAAAGCAACGACCCAAGAGAAGTATCAGGAA
AGCAGATGTAGAGGGAGAAGTCTTAGCGTGCAGGAATCTAATGCCATCAGCAGGCAAAGCCATGCACACGCCTAA
ACCATCAGTAGGTGAAGAGAAAGACATCATATTTGTGGGAACTCCAGTGCAGAACTGGACCTGCAGAGAA
CTTAACCGGCAGCAAGAGACGGCCACAAACTCCTAAGGAAGAGGCCAGGCTCTGGAAGACCTGACTGGCTTTAA
AGAGCTCTTCCAGACCCCTGGTCATACTGAAGAAGCAGTGGCTGCTGGCAAACCTACTAAAATGCCCTGCGAATC
TTCTCCACCAGAATCAGCAGACACCCCAACAAGCACAAAGAAGGCAGCCCAAGACACCTTTGGAGAAAAGGGACGT
ACAGAAGGAGCTCTCAGCCCTGAAGAAGCTCACACAGACATCAGGGGAAACCACACACACAGATAAAGTACCAGG
AGGTGAGGATAAAAAGCATCAACGCGTTTATGGGAACTGCAAAACAGAACTGGACCCAGCAGCAAGTGTAACTGG
TAGCAAGAGGCACCCAAAACCTAAGGAAAAGGCCCAACCCCTAGAAGACCTGGCTGGCTTGAAAGAGCTCTTCCA
GACACCAGTATGCACTGACAAGCCCACGACTCACGAGAAAACCTACCAAAATAGCCTGCAGATCACAACCAGACCC
AGTGGACACACCAACAAGCTCCAAGCCACAGTCCAAGAGAAGTCTCAGGAAAGTGGACGTAGAAGAAGAATTCTT
CGCACTCAGGAAACGAACACCATCAGCAGGCAAAGCCATGCACACACCCAAACCAGCAGTAAGTGGTGAGAAAA
CATCTACGCATTTATGGGAACTCCAGTGCAGAACTGGACCTGACAGAGAAGTAACTGGCAGCAAGAGACGGCT
ACAACTCCTAAGGAAAAGGCCAGGCTCTAGAAGACCTGGCTGGCTTTAAAGAGCTCTTCCAGACACGAGGTCA
CACTGAGGAATCAATGACTAACGATAAAACTGCCAAAGTAGCCTGCAAATCTTCACAACCAGACCCAGACAAAA
CCCAGCAAGCTCCAAGCGACGGCTCAAGACATCCCTGGGGAAAGTGGGCGTGAAAGAAGAGCTCCTAGCAGTTGG
CAAGCTCACACAGACATCAGGAGAGACTACACACACACACAGAGCCAACAGGAGATGGTAAGAGCATGAAAGC
ATTTATGGAGTCTCCAAAGCAGATCTTAGACTCAGCAGCAAGTCTAACTGGCAGCAAGAGGCAGCTGAGAACTCC
TAAGGGAAAGTCTGAAGTCCCTGAAGACCTGGCCGGCTTCATCGAGCTCTTCCAGACACCAAGTCACACTAAGGA
ATCAATGACTAACGAAAAAACTACCAAAGTATCCTACAGAGCTTCACAGCCAGACCTAGTGGACACCCCAACAAG
CTCCAAGCCACAGCCCAAGAGAAGTCTCAGGAAAGCAGACACTGAAGAAGAATTTTATGATTTAGGAAACAAAC
GCCATCAGCAGGCAAAGCCATGCACACACCCAAACCAGCAGTAGGTGAAGAGAAAGACATCAACACGTTTTTGGG
AACTCCAGTGCAGAACTGGACCAAGCCAGGAAATTTACCTGGCAGCAATAGACGGCTACAAACTCGTAAGGAAAA
GGCCCAGGCTCTAGAAGAAGTGAAGTGGCTTCAGAGAGCTTTTCCAGACACCATGCACTGATAACCCACGACTGA
TGAGAAAACCTACCAAAAAAATACTCTGCAAACTCCGCAATCAGACCCAGCGGACACCCCAACAAACACAAAGCA
ACGGCCCAAGAGAAGCCTCAAGAAAAGCAGACGTAGAGGAAGAATTTTATGATTTAGGAAACTAACACCATCAGC
AGGCAAAGCCATGCACACGCCTAAAGCAGCAGTAGGTGAAGAGAAAGACATCAACACATTTGTGGGGACTCCAGT
GGAGAACTGGACCTGCTAGGAAATTTACCTGGCAGCAAGAGACGGCCACAACTCCTAAAGAAAAGGCCAAGGC
TCTAGAAGATCTGGCTGGCTTCAAAGAGCTCTTCCAGACACCAGGTACACTGAGGAATCAATGACCGATGACAA
AATCAGAGAAGTATCCTGCAAATCTCCACAACCAGACCCAGTCAAACCCCAACAAGCTCCAAGCAACGACTCAA
GATATCCTTGGGGAAAGTAGGTGTGAAAGAAGAGGTCTTACCAGTCGGCAAGCTCACACAGACGTCAGGGAAGAC
CACACAGACACACAGAGAGACAGCAGGAGATGGAAAGAGCATCAAAGCGTTTAAGGAATCTGCAAAGCAGATGCT
GGACCCAGCAAACTATGGAAGTGGATGGAGAGGTGGCCAAGAACACCTAAGGAAGAGGCCCAATCACTAGAAGA
CCTGGCCGGCTTCAAAGAGCTCTTCCAGACACCAGACCACACTGAGGAATCAACAACCTGATGACAAAACCTACCAA
AATAGCCTGCAAATCTCCACCACCAGAATCAATGGACACTCCAACAAGCACAAAGGAGGCGGCCCAAAACACCTTT
GGGAAAAGGGATATAGTGAAGAGCTCTCAGCCCTGAAGCAGCTCACACAGACCACACACAGACAAAGTACC
AGGAGATGAGGATAAAGGCATCAACGTGTTTCAAGGAACTGCAAAACAGAACTGGACCCAGCAGCAAGTGTAAAC
TGGTAGCAAGAGGCAGCCAAGAAGTCTTAAGGGAAAAGCCCAACCCCTAGAAGACTTGGCTGGCTTGAAAGAGCT
CTTCCAGACACCAATATGCACTGACAAGCCCACGACTCATGAGAAAACCTACCAAAATAGCCTGCAGATCTCCACA
ACCAGACCCAGTGGGTACCCCAACAATCTTCAAGCCACAGTCCAAGAGAAGTCTCAGGAAAGCAGACGTAGAGGA
AGAATCCTTAGCACTCAGGAAACGAACACCATCAGTAGGGAAAGCTATGGACACACCCAAACCAGCAGGAGGTGA

3337/6881
FIGURE 3074C

TGAGAAAGACATGAAAGCATTATGGGAACTCCAGTGCAGAAATTGGACCTGCCAGGAAATTTACCTGGCAGCAA
AAGATGGCCACAACTCCTAAGGAAAAGGCCAGGCTCTAGAAGACCTGGCTGGCTTCAAAGAGCTCTTCCAGAC
ACCAGGCACTGACAAGCCCACGACTGATGAGAAAACCTACCAAAATAGCCTGCAAATCTCCACAACCAGACCCAGT
GGACACCCCAGCAAGCACAAAGCAACGGCCCAAGAGAAACCTCAGGAAAGCAGACGTAGAGGAAGAATTTTATAGC
ACTCAGGAAACGAACACCATCAGCAGGCAAAGCCATGGACACACCAAAACCAGCAGTAAGTGATGAGAAAAATAT
CAACACATTTGTGGAACTCCAGTGCAGAACTGGACCTGCTAGGAAATTTACCTGGCAGCAAGAGACAGCCACA
GACTCCTAAGGAAAAGGCTGAGGCTCTAGAGGACCTGGTTGGCTTCAAAGAACTCTTCCAGACACCAGGTCACAC
TGAGGAATCAATGACTGATGACAAAATCAGAGAAGTATCCTGTAAATCTCCACAGCCAGAGTCATTCAAAACCTC
AAGAAGCTCCAAGCAAAGGCTCAAGATACCCCTGGTGAAAGTGGACATGAAAGAAGAGCCCTAGCAGTCAGCAA
GCTCACACGGACATCAGGGGAGACTACGCAAACACACACAGAGCCAACAGGAGATAGTAAGAGCATCAAAGCGTT
TAAGGAGTCTCCAAAGCAGATCCTGGACCCAGCAGCAAGTGTAAGTGGTAGCAGGAGGCAGCTGAGAACTCGTAA
GGAAAAGGCCCGTGCTCTAGAAGACCTGGTTGACTTCAAAGAGCTCTTCTCAGCACCAGGTCACACTGAAGAGTC
AATGACTATTGACAAAAACAAAAATTCCTGCAAATCTCCCCACCAGAACTAACAGACACTGCCACGAGCAC
AAAGAGATGCCCCAAGACACGTCCCAGGAAAAGTAAAAGAGGAGCTCTCAGCAGTTGAGAGGCTCACGCAAAAC
ATCAGGGCAAAGCACACACACACAAAAAGAACAGCAAGCGGTGATGAGGGCATCAAAGTATTGAAGCAACGTGC
AAAGAAGAAACCAACCCAGTAGAAGAGGAACCCAGCAGGAGAAGGCCAAGAGCACCTAAGGAAAAGGCCCAACC
CCTGGAAGACCTGGCCGGCTTCACAGAGCTCTCTGAAACATCAGGTCACACTCAGGAATCACTGACTGCTGGCAA
AGCCACTAAAATACCTGCGAATCTCCCCACTAGAAGTGGTAGACACCACAGCAAGCACAAAGAGGCATCTCAG
GACACGTGTGAGAAGGTACAAGTAAAAAGAGCCTTCAGCAGTCAAGTTCACACAAACATCAGGGGAAACCAAC
GGATGCAGACAAAGAACCAGCAGGTGAAGATAAAGGCATCAAAGCATTGAAGGAATCTGCAAAACAGACACCGGC
TCCAGCAGCAAGTGTAAGTGGCAGCAGGAGACGGCCAAGAGCACCCAGGGAAGTGGCCAAAGCCATAGAAGACCT
AGCTGGCTTCAAAGACCCAGCAGCAGGTCACTGAAGAATCAATGACTGATGACAAAACCACTAAAATACCTTG
CAAATCATCACCAGAACTAGAAGACACCGCAACAAGCTCAAAGAGACGGCCAGGACACGTGCCAGAAAGTAGA
AGTGAAGGAGGAGCTGTTAGCAGTTGGCAAGCTCACACAAACCTCAGGGGAGACCACGCACACCGACAAAGAGCC
GGTAGGTGAGGGCAAAGGCACGAAAGCATTAAAGCAACCTGCAAAGCGGAAGCTGGACGCAGAAGATGTAATTGG
CAGCAGGAGACAGCCAAGAGCACCTAAGGAAAAGGCCCAACCCCTGGAAGATCTGGCCAGCTTCAAAGAGCTCTC
TCAAACACCAGGCCACACTGAGGAACTGGCAAATGGTGCTGCTGATAGCTTTACAAGCGCTCCAAAGCAAACACC
TGACAGTGGAAAACCTCTAAAAATATCCAGAAGAGTTCTTCGGGCCCCCTAAAGTAGAACCCGTGGGAGACGTGGT
AAGCACCAGAGACCTGTAAATCACAAGCAAAAGCAACACTTCCCTGCCCCCACTGCCCTTCAAGAGGGGAGG
TGGCAAAGATGGAAGCGTCACGGGAACCAAGAGGCTGCGCTGCATGCCAGCACCAGAGGAAATTGTGGAGGAGCT
GCCAGCCAGCAAGAAGCAGAGGTTGCTCCCAGGGCAAGAGGCAAAATCATCCGAACCCGTGGTCATCATGAAGAG
AAGTTTGAGGACTTCTGCAAAAAGAATTGAACCTGCGGAAGAGCTGAACAGCAACGACATGAAAACCAACAAAGA
GGAACACAAATTACAAGACTCGGTCCCTGAAAATAAGGGAATATCCCTGCGCTCCAGACGCCAAAATAAGACTGA
GGCAGAACAGCAAATAACTGAGGTCTTTGTATTAGCAGAAAGAATAGAAATAAACAGAAATGAAAAGAAGCCCAT
GAAGACCTCCCCAGAGATGGACATTCAGAATCCAGATGATGGAGCCCCGGAACCCATACCTAGAGACAAAGTCAC
TGAGAACAAAAGGTGCTTGAGGTCTGCTAGACAGAATGAGAGCTCCCAGCCTAAGGTGGCAGAGGAGAGCGGAGG
GCAGAAGAGTGCGAAGGTTCTCATGCAGAATCAGAAAGGGAAAGGAGAAGCAGGAAATTCAGACTCCATGTGCCT
GAGATCAAGAAAGACAAAAGCCAGCCTGCAGCAAGCACTTTGGAGAGCAAATCTGTGCAGAGAGTAACGCGGAG
TGTCAAGAGGTGTGCAGAAAATCCAAAGAAGGCTGAGGACAATGTGTGTGTCAAGAAAATAAGAACCAGAAGTCA
TAGGGACAGTGAAGATATTTGACAGAAAATCGAAGTGGGAAAAATATAATAAAGTTAGTTTTGTGATAAGTTCT
AGTGCAGTTTTTGTCTATAAATTACAAGTGAATTCTGTAAGTAAGGCTGTGAGTCTGCTTAAGGGGAAGAAAACCTT
GGATTTGCTGGGTCTGAATCGGCTTCATAAACTCCACTGGGAGCACTGCTGGGCTCCTGGACTGAGAATAGTTGA
ACACCGGGGGCTTTGTGAAGGAGTCTGGGCCAAGGTTTGCCCTCAGCTTTGCAGAATGAAGCCTTGAGGTCTGTC
ACCACCCACAGCCACCCTACAGCAGCCTTAAGTGTGACACTTGCCACACTGTGTCGTCGTTTGTGTTGCCATGTC
CTCCAGGGCACGGTGGCAGGAACAACCTATCTCGTCTGTCCCAACACTGAGCAGGCACTCGGTAAACACGAATGA
ATGGATGAGCGCACGGATGAATGGAGCTTACAAGATCTGTCTTTCCAATGGCCGGGGGCATTTGGTCCCCAAATT
AAGGCTATTGGACATCTGCACAGGACAGTCCTATTTTTGATGTCCTTTCTTTCTGAAAATAAAGTTTTGTGCTT
TGGAGAATGACTCGTGAGCACATCTTTAGGGACCAAGAGTGAATTTCTGTAAGGAGTGAATCGTGGCTTGCCTTG

3338/6881
FIGURE 3074D

GTCTCTTGGGAATACTTTTCTAACTAGGGTTGCTCTCACCTGAGACATTCTCCACCCGCGGAATCTCAGGGTCCC
AGGCTGTGGGCCATCACGACCTCAAACCTGGCTCCTAATCTCCAGCTTTTCTGTGATTGAAAAGCTTCGGAAGTTTA
CTGGCTCTGCTCCCGCTGTTTTCTTTCTGACTCTATCTGGCAGCCCGATGCCACCCAGTACAGGAAGTGACACC
AGTACTCTGTAAAGCATCATCATCCTTGGAGAGACTGAGCACTCAGCACCTTCAGCCACGATTCAGGATCGCTT
CCTTGTGAGCCGCTGCCTCCGAAATCTCCTTTGAAGCCCAGACATCTTTCTCCAGCTTCAGACTTGTAGATATAA
CTCGTTCATCTTCATTTACTTTCCACTTTGCCCCCTGTCTCTCTGTGTTCCCCAAATCAGAGAATAGCCGCCA
TCCCCCAGGTCACCTGTCTGGATTCTCCCATTCACCCACCTTGCCAGGTGCAGGTGAGGATGGTGCACCAGAC
AGGGTAGCTGTCCCCCAAATGTGCCCTGTGCGGGCAGTGCCCTGTCTCCACGTTTGTTCCTCCAGTGTCTGGCG
GGGAGCCAGGTGACATCATAAATACTTGCTGAATGAATGCAGAAATCAGCGGTACTGACTTGTACTATATTGGCT
GCCATGATAGGGTTCTCACAGCGTCATCCATGATCGTAAGGGAGAATGACATTCTGCTTGAGGGAGGGAATAGAA
AGGGGCAGGGAGGGGACATCTGAGGGCTTCACAGGGCTGCAAAGGGTACAGGGATTGCACCAGGGCAGAACAGGG
GAGGGTGTTCAGGAAGAGTGGCTCTTAGCAGAGGCACCTTGGAAGGTGTGAGGCATAAATGCTTCCTTCTACGT
AGGCCAACCTCAAACTTTAGTAGGAATGTTGCTATGATCAAGTTGTTCTAACACTTTAGACTTAGTAGTAATT
ATGAACCTCACATAGAAAAATTTATCCAGCCATATGCCTGTGGAGTGAATATTCTGTTTAGTAGAAAAATCCT
TTAGAGTTCAGCTCTAACCCAGAAATCTTGCTGAAGTATGTCAGCACCTTTTCTCACCCCTGGTAAGTACAGTATTT
CAAGAGCACGCTAAGGGTGGTTTTTCATTTTACAGGGCTGTTGATGATGGGTAAAAATGTTTCATTTAAGGGCTAC
CCCCGTGTTTAATAGATGAACACCACCTTCTACACAACCCTCCTTGGTACTGGGGGAGGGAGAGATCTGACAAATA
CTGCCCATTCCCCTAGGCTGACTGGATTTGAGAACAAATACCCACCCATTTCACCATGGTATGGTAACCTTCTCT
GAGCTTCAGTTTCCAAGTGAATTTCCATGTAATAGGACATTCCCATTAATAACAAGCTGTTTTTACTTTTTCGCC
TCCCAGGGCCTGTGGGATCTGGTCCCCCAGCCTCTCTTGGGCTTTCTTACACTAACTCTGTACCTACCATCTCCT
GCCTCCCTTAGGCAGGCACCTCCAACCACCACACACTCCCTGCTGTTTTCCCTGCCTGGAACTTTCCCTCCTGCC
CCACCAAGATCATTTATCCAGTCCTGAGCTCAGCTTAAGGGAGGCTTCTTGCTGTGGGTTCCTCACCCTCAT
GCCTGTCTCCAGGCTGGGGCAGGTTCTTAGTTTGCCTGGAATTGTTCTGTACCTCTTTGTAGCACGTAGTGTG
TGGAACCTAAGCCACTAATTGAGTTTCTGGCTCCCCTCCTGGGGTTGTAAGTTTTGTTTCATTCATGAGGGCCGAC
TGCATTTCTGGTTACTCTATCCCAGTGACCAGCCACAGGAGATGTCCAATAAAGTATGTGATGAAATGGTCTT

3339/6881
FIGURE 3075

CGCGGACGGGGCGCGGGCGGACGATGGAACCTCCACATCTGGAGCACC GGCTGCAAGTTGCCAGCGTCGCCAAGGA
GAGTATCCCGCTGTTACCTACGGCCTGATCAAACCTGCCTTCCTGTCTCTCCAAGACCAGAAGATGATGATTATT
CTCCACCGTCTAAGAGACCAAAGGCCAATGAGCTACCGCAGCCACCAGTCCCGGAACCCGCCAATGCTGGGAAGC
GGAAAGTGAGGGAGTTCAACTTCGAGAAATGGAATGCTCGCATCACTGATCTACGTAAACAAGTTGAAGAATTGT
TTGAAAGGAAATATGCTCAAGCCATAAAAGCCAAAGGTCCGGTGACGATCCCGTACCCTCTTTTCTAGTCTCATG
TTGAAGATCTTTATGTAGAAGGACTTCCTGAAGGAATTCCTTTTGAAGGCCATCTACTTACGGAATTCCTCGCC
TGGAGAGGATATTACTTGCAAAGGAAAGGATTCGTTTTGTGATTAAGAAACATGAGCTTCTGAGTTCAACACGTG
AAGATTTACAGCTTGATAAGCCAGCTTCAGGAGTAAAGGAAGAATGGTATGCCAGAATCACTAAATTAAGAAAGA
TGGTGGATCAGCTTTTCTGCAAAAAATTTGCGGAAGCCTTGGGGAGCACTGAAGCCAAGGCTGTACCGTACCAAA
AATTTGAGGCACACCCGAATGATCTGTACGTGGAAGGACTGCCAGAAAACATTCTTTCCGAAGTCCCTCATGGT
ATGGAATCCCAAGGCTGGAAAAAATCATTCAAGTGGGCAATCGAATTAAATTTGTTATTAAAGACCAGAACTTC
TGACTCACAGTACCACTGAAGTTACTCAGCCAAGAACGAATACACCAGTCAAAGAAGATTGGAATGTCAGAATTA
CCAAGCTACGGAAGCAAGTGAAGAGATTTTAAATTTGAAATTTGCTCAAGCTCTTGGAAGGCTTCCAGAGGGGATTCCCTTCC
AAGTACCATATCCTGTGTTTGAATCAAACCCGGAGTTCTTGTATGTGGAAGGCTTGGCAGAGGGGATTCCCTTCC
GAAGCCCTACCTGGTTTGAATTCACGACTTGAAAGGATCGTCCACGGGAGTAATAAAATCAAGTTTCGTTGTTA
AAAAACCTGAACTAGTTATTTCTACTTGCCTCCTGGGATGGCTAGTAAATAAACTAAAGCTTTGCAGTCCC
CCAAAAGACCACGAAGTCTGGGAGTAATTCAAAGGTTCTGAAATTGAGGTCACCGTGGGAAGGCCCTAATAACA
ACAATCCTCAAACCTCAGCTGTTTGAACCCCGACCCAGACTAACGGTTCTAACGTTCCCTTCAAGCCACGAGGGA
GAGAGTTTTCTTTGAGGCCTGGAATGCCAAAATCACGGACCTAAAACAGAAAGTTGAAAATCTCTTCAATGAGA
AATGTGGGGAAGCTCTTGGCCTTAAACAAGCTGTGAAGGTGCCGTTCGCGTTATTTGAGTCTTTCCCGGAAGACT
TTTATGTGGAAGGCTTACCTGAGGGTGTGCCATTCCGAAGACCATCGACTTTTGGCATTCCGAGGCTGGAGAAGA
TACTCAGAAACAAAGCCAAAATTAAGTTTCATCATTAAAAAGCCCGAAATGTTTGAGACGGCGATTAAAGGAGAGCA
CCTCCTCTAAGAGCCCTCCAGAAAAATAAATTCATCACCCAATGTTAATACTACTGCATCAGGTGTTGAAGACC
TTAACATCATTTCAGGTGACAATTCAGATGATGATAATGAAAGACTCTCGAAAGTTGAAAAAGCTAGACAGCTAA
GAGAACAAGTGAATGACCTCTTTAGTCGGAATTTGGTGAAGCTATTGGTATGGGTTTTCTGTGAAAGTTCCCT
ACAGGAAAAATCACAATTAACCCTGGCTGTGTGGTGGTTGATGGCATGCCCCCGGGGGTGTCTTCAAAGCCCCCA
GCTACCTGGAAATCAGCTCCATGAGAAGGATCTTAGACTCTGCCGAGTTTATCAAATTCACGGTCATTAGACCAT
TTCCAGGACTTGTGATTAATAACCAGCTGGTTGATCAGAGTGAGTCAAAAGGCCCCGTGATACAAGAATCAGCTG
AACCAAGCCAGTTGGAAGTTCCAGCCACAGAAGAAATAAAGAGACTGATGGAAGCTCTCAGATCAAGCAAGAAC
CAGACCCACAGTGGTAGACCTCTTCCCTCCTAGGCTTAAAGTATCAGTGGTTGAGAAGAGCTTTTCGGACCTGTT
ACTACCCCAAGCTGTGTAATATACTTGTATAACAGAAATACCTTCTATACAAACCTTTTTTTCTACTTTTAGATA
GAAATGTCTACTTTTTTCAGCAGTTCTGTGAATTAAGAGCAGAGTGACTGTGGGTCTGGAATGGCTGGTGTACTT
GGGAATGTACTATCAGGATTTTACAGCAATGCTGGGAAATGACAGGGAAAATGACAGGAATGAATCTCACCAGAT
TTTTTATGTACTCAGCAGAGCCTTGAGTTACGGTGTATTTTTTCCAATCAAGTGAAGATATCTCCTACTTCTCCT
ACTGGAACATCTCAGCTTCTGCAGTGAAGAAAAATTCCTGTGATAGTTTCAGTTCTTTAGTTTTCTATTTGAAAA
AAAAAATCATTTAAATGATCCTTTGTTACGGGCTCTCCTTAATGACTGAGTGAACAGTTCCCTATCTGTATATTT
GACTAAACCTTTTCTAAGCTATCTCTCATGGTTCCCTATGTTTTTTTATCATAATTAAGCAAAACCATCTGGA
TCACCTAACAGTCAGAGGTCAGTATCTCAGCGTGTGAATTATAGAGGAAATACAGAGAGAACCTCTTCCACTTTT
ACTTTTTCGTCCAAATAAAATGCATGGTGTACCAGAAGTTGAAGATCGGGTTGAGGATTGGGGCTAGCTCGATGAC
ACTAAGGCCCCAACATCGCGGGACCTGCTGTGGCGCGGATTCTTAGGAACGCTGTTCTAGCCGGCCCCCTCTCCA
GGGGTCGCCGTGGCCGGCATTATTTCTAGTTCTTCTTGTAAACCTGAGGTGCCAGCGCGGGGAGTGAGGAGGGG
TCAGGGGGCTAAGGATGCAACCTCTGACGTTCTGCGCCTTCTTAGGAGAGTCTTACATGTGTTGAGATTTACAA
GCAATGCGAGTTGTAAATAACCAGCTCTACAAGAAGCTAGGCTCTGTGACGGCATAGTTTTTCAGTAGCTTTATCA
CAATATTCACAATGGAGAATTATATGACATGGTAGCAGAAATAGGCCCTTTTATGTGTTGCTTCTATTTTACCTC
AAATTGTAGATATAGGGTAATCAATAAAATCCATCCATGCCTTTCACACACT

3340/6881
FIGURE 3076

AATTCCTGTCCTCAGGCGCTGTCAGATCTGTGGTTTTTCTACTTGAAGGACACAATGTTTTCCAAACTAGCACAT
TTGCAGAGGTTTGCTGTACTTAGTCGCGGAGTTCATTCTTCAGTGGCTTCTGCTACATCTGTTGCAACTAAAAAA
ACAGTCCAAGGCCCTCCAACCTCTGATGACATTTTTGAAAGGGAATATAAGTATGGTGACACAACTACCATCCT
TTACCTGTAGCCCTGGAGAGAGGAAAAGGTATTTACTTATGGGATGTAGAAGGCAGAAAATATTTTGACTTCCTG
AGTTCTTACAGTGCTGTCAACCAAGGGCATTGTCACCCCAAGATTGTGAATGCTCTGAAGAGTCAAGTGGACAAA
TTGACCTTAACATCTAGAGCTTTCTATAATAACGTACTTGGTGAATATGAGGAGTATATTACTAAACTTTTCAAC
TACCACAAAGTTCTTCCTATGAATACAGGAGTGGAGGCTGGAGAGACTGCCTGTAAACTAGCTCGTAAGTGGGGC
TATACCGTGAAGGGCATTCAAGAAATACAAAGCAAAGATTGTTTTTGAGCTGGGAACCTTCTGGGGTAGGACGTTG
TCTGCTATCTCCAGTTCCACAGACCCAACCAAGTTACGATGGTTTTGGACCATTTATGCCGGGATTTCGACATCATT
CCCTATAATGATCTGCCCGCACTGGAGCGTGCTCTTCAGGATCCAAATGTGGCTGCGTTTCATGGTAGAACCAATT
CAGGGTGAAGCAGGCGTTGTTGTTCCGGATCCAGGTTACCTAATGGGAGTGCAGAGCTCTGCACCAGGCACCAG
GTTCTCTTTATTGCTGATGAAATACAGACAGGATTGGCCAGAAGTGGTAGATGGCTGGCTGTTGATTATGAAAA
GTCAGACCTGATATAGTCCTCCTTGGAAAGGCCCTTTCTGGGGGCTTATACCCTGTGTCTGCAGTGCTGTGTGAT
GATGACATCATGCTGACCATTAAAGCCAGGGGAGCATGGGTCCACATACGGTGGCAATCCACTAGGCTGCCGAGTG
GCCATCGCAGCCCTTGAGGTTTTAGAAGAAGAAAACCTTGCTGAAAATGCAGACAAATTGGGCATTATCTTGAGA
AATGAAGTCAAGCTACCTTCTGATGTTGTAAGTCCGTAAGAGGAAAAGGATTATTAAACGCTATTGTCATT
AAAGAAACCAAAGATTGGGATGCTTGGGAAGTGTGTCTACGACTTCGAGATAATGGACTTCTGGCCAAGCCAACC
CATGGCGACATTATCAGGTTTGCCTCCGCTGGTGATCAAGGAGGATGAGCTTCGAGAGTCCATTGAAATTATT
AACAAGACCATCTTGCTTTCTGAGGGTAGCCAGCTGTTTTAGTGGTCCCTGGGAGCCAGCTGGAGACAGGTGG
TCCTGTAAAAGCTTTATTCTAATGTGGGCACATTCCACTCCCATGAGTCTTCAAAAACCTTTTTTTTGAATATA
TTTTTTTTCAGTTGATACATAATAGAACAACGTTTATGAACCTGCCGTTTGCTTTGTAACGTAACATAAATGTA
ATGGCATCTATATTAGTTGAAGTGTTTTGATGTGCATGTGTACTTCCTAAGGTGAAATGCATCTATATACAGAC
AGCCTCTAAATCAAGTCCTTCAGTATAATTGATATATGTTTTTATAATTTCTCACTGGTATAAGTGTTCATAT
TTGAAAAAGTTATCTCTGGGTATTGCATAAAAGGCTTCATCTTATAAAGTGAAATCATTGTTATTGAATTTTAGG
AAGGATTAATGGTTAAGTGTATATAAAATACTAATATTAAGTAACTTCATATTGGCCAACACCAGGGTTGTATT
CTATGGATGTCATTATTTTGAATTAAGAATTAGTGTTTAAACATTCCTAAATTGTTTTGAGTGCTTGATTATAATT
TGTA AAAAATGTTTATTTTCAATACTTCTTTAAATTTAAATAAAGCTTATATTTCAAATGTC

3341/6881
FIGURE 3077

MF SKLAHLQRFAVL SRGVHSSVASATSVATKKT VQGPPTSDDIFEREYKYGAHNYHPLPVALERGKGIYLWDVEG
RKYFDLSSYS AVNQGHCHPKIVNALKSQVDKLTLSRAFYNNVLGEYEEYITKLFNYHKVLPMTGVEAGETAC
KLARKWGYTVKGIQKYKAKIVFAAGNFWGRTL SAISSSTDPTSYDGF GPFMPGFDIIPYNDLPALERALQDPNVA
AFMVEPIQGEAGVVVPDPGYLMGVRELCTR HQVLFIADEIQTGLARTGRWLAVDYENVRPDIVLLGKALSGGLYP
VSAVLCDDDIMLTIKPGEHGSTYGGNPLGCRVAIAALEVLEENLAENADKLG IILRNELMKLP SDVVTAVRGKG
LLNAIVIKETKDWD AWKVCLRLRDNGLLAKPTHGDIIRFAPPLVIKEDELRESIEIINKTILSF

3342/6881
FIGURE 3078

GCCGCCGCCGCCACACCGGCCCTTCGGGAGCGTCTGAGGAGGCGCGGGCCGCTGCGGGCTCGGGCGCCGCAGCGC
GCCGGCCCGAGCCCCCTGGACGAGGCCACGAGCCGCTCGCCCCGACCCAGCCGCCCGATGTCCTCAAATGGAG
GCAGCGGGGGCGGCGGCGTGAAGAAAGCGCGCTGTGGGCGCGGGAGTAGGGGCCGGGCGGAGGCGGTGGCGGG
ATGGGGCTGCTGCTCATGATCCTGGCGTGGCCGTGCTGGGTTCCTTCCTCACGCTCCTCGCCCAGTTCTTCCTG
CTGTACCGCAGACAGCCCGAGCCGCCGGCGGACGAGGCCGCCCGCGCGGGCGAGGGCTTCGCTACATCAAGCCA
GTGCCGGGCCTGCTCCTAAGGGAGTACCTTTATGGCGGCGGCGGGATGAGGAGCCCTCCGGAGCGGCCCTGAG
GGCGGCGCGACCCCCACCGCGGCCCGGAGACCCCCGCCCGCGGACGCGGGAGACTTGCTACTTCCTCAACGCC
ACCATCCTATTCTGTTCGGGAGTTGCGGGACACCGCGCTGACCCGCCGCTGGGTACCAAGAAGATCAAGGTG
GAGTTCGAGGAGCTGCTGCAGACCAAGACGGCCGGGCGCTGCTGGAGGGGCTGAGCCTGCGGGACGTGTTCTG
GGCGAGACGGTGCCCTTCATCAAGACCATCCGGCTCGTGCGGCCAGTCGTGCCCTCGGCCACCGGGAGCCCGAT
GGCCCTGAAGGGGAGGCGCTGCCCGCGCCTGCCCGAGGAGCTGGCCTTCGAGGCGGAGGTGGAGTACAACGGG
GGCTTCCACCTGGCCATCGACGTGGACCTGGTCTTCGGCAAGTCCGCCTACTTGTTTGTCAAGCTGTCCGCGTG
GTGGGAAGGCTGCGCTTGGTCTTTACGCGCGTGCCCTTACCCACTGGTTCCTTCCTTCGTGGAAGACCCGCTG
ATCGACTTCGAGGTGCGCTCCAGTTTGAAGGGCGGCCCATGCCCCAGCTCACCTCCATCATCGTCAACCAGCTC
AAGAAGATCATCAAGCGCAAGCACACCCTACCGAATTACAAGATCAGGTTGAATTAATAAAAGGAAATTTACAAA
GTGTTGGACTTACACTTCGTCTTGTCCAGTCAACTGATGGGTATGCTGGGCACGTCATCATTGAAACTGTGGCTC
CAAACCTCGCCTGCTGCAATTGCAGATCTTCAGCGGGGAGATCGACTTATCGCCATTGGAGGTGTGAAAATCACAT
CAACACTGCAAGTGTTGAAGCTTATCAAGCAGGCTGGTGACCGAGTCCTGGTGTACTATGAAAGGCCTGTTGGCC
AGAGTAATCAAGGTGCAGTGCTGCAAGATAACTTTGGCCAGTTGGAAGAAAACTTTTTGTCAAGCTCATGCCAAT
CGGGTTATGAAGAGGAAGCTGCCGGGTTGACAGTAGATACGAAAGTAGAGAGCTGGATTCTGAATTTGAAGACT
TGGCAAGTGATGTCAGAGCACAAAATGAGTTCAAAGATGAGGCACAATCATTAAGTCATAGTCCCAAACGTGTTT
CAACAACACTTTCTATTAAACCCCTTGGAGCTATATCACCAGTTTTTAAACCGTAAATTAGCTGTAGGAAGTCACC
CACTACCACCGAAAATTCAGTCCAAAGATGGAAATAAACCTCCACCCCTAAAACTTCTGAGATAACAGACCCAG
CACAAGTGTCAAAACCAACCCAAGGATCTGCTTCAAACCACCTGTGCCACCACGACCACAAGCGAAAGTTCCTT
TGCCTTCCGCCGATGCTCCAAATCAGGCAGAACCAGATGTTCTCGTTGAAAAGCCAGAGAAGGTGGTGCCACCTC
CTCTTGTAGATAAATCTGCTGAAAAGCAAGCAAAAAATGTGGATGCCATAGACGATGCAGCTGCACCTAAGCAAT
TTTTAGCAAAGCAAGAAGTGGCCAAAGATGTCACCTTCAGAACTTCCTGCCCTACTAAGGACAGTTCGGACGACC
GTCAACATGGAATCATCAGAAATCTTTATCGTAATAAGCTAGGAAAATGGACAAGAACCAGAGCATCCTGTT
TGTTTGACATAGAAGCCTGTACAGGTACTTAAACATTGCATTGTGGTGCAGGGATCCTTTCAAGTTGGGAGGTC
TCATCTGTTTGGGGCATGTTAGTTTAAACTTGAAGATGTGGCTTTAGGATGCCTAGCTACATCAAACACGGAAT
ACCTTTCCAAATTGAGACTGGAAGCCCCCTCACCTAAGGCTATAGTCACTAGAACCGCACTACGCAATCTGAGTA
TGCAAAAGGGATTCAATGACAAATTTTGCTATGGTGACATTACTATTCAATATTTGAAAGAAGGAGAAT
CAGACCACCATGTAGTTACTAACGT

3343/6881
FIGURE 3079

MGLLLMILASAVLGSFLTLAQQFFLLYRRQPEPPADEAARAGEGFRYIKPVPGLLLREYLYGGGRDEEPSGAAP
GGATPTAAPETPAPPTRETCYFLNATILFLFRELRDTALTRRWVTKKIKVEFEELLQTKTAGRLLEGLSLRDVFL
GETVPFIKTIRLVRPVVPVSATGEPDGPEGEALPAACPEELAFEAEVEYNGGFHLAIDVDLVFGKSAYLFVKLSRV
VGRRLRVFTRVPFTHWFFSFVEDPLIDFEVRSQFEGRPMPQLTSIIVNQLKKIIRKHTLPNYKIRLN

3344/6881
FIGURE 3080

AATCAAGAGGTTCCAATCTTTGTGTTCACTTTAAGAACACCATGAAACTGCTCAGGCCATCAAGGGTATACATAT
ATGAAAAGCCAAGAAGTATCTGAAAGATGCACTTTACAGAAACAGTGTGTACCATTCCCTACGTTACAATGGTGG
AGTTAGCAGGTGTACGCAGGCCAAGCAGTGGGGCTGGACACAAGGTCGGTGGCCCCAAAAAGAGTGCTGAATTCTC
TGGTCATTGAGCACATCCAAGTGAACAAAACACCTAAGATGCGCCGCCGGACCCACAGAGCTCATGGTCGGATTA
ACCCATACATGAGCTCTCCCTGCCACATTGAGATGATCCTTACGGAAAAGGAACAGATTGTTCTAAATCAGAAG
AGGAGGTTGCCCAGAAGAAAAAGATATCCCAGAAGAACTGAAGAAACAAAACTTATGGCACAGGAGTAAATTC
AGCATTAAAATAAATGTAATTAAAAGG

3345/6881
FIGURE 3081

MSLYRNSVYHSYVTMVELAGVRRPSSGAGHKVGGPKRVLNSLVIEHIQVNKTPKMRRRTHRAHGRINPYMSSPCH
IEMILTEKEQIVPKSEEEVAQKKKISQKKLKKQKLMAQE

3346/6881
FIGURE 3082A

GGCGACTGCTGGCGAGGCGCGTGGGACCTTACGCTGGTTCCCTTCGTCTCCTCTCCCGGCCCGGGCCACTAGAG
AGTTCGCTGACGCCGGGTGAGCTGAGCCTGCCGCCAAGATCGCGCCTATTTTCAGAGGCCGGAAAATGCCCTCA
AACGCGCCAACGAATTTCTTGAGGTTGGCAAAAAGCAGCCTGCTCTGGATGTTCTTTATGATGTTATGAAAAGTA
AAAAACATAGAACATGGCAAAAGATACACGAACCAATTATGTTGAAATACTTGGAACCTTTGCGTGGATCTTCGCA
AGAGCCACTTGGCAAAGGAGGGGTTATACCAGTATAAGAACATTTGTCAACAGGTGAACATAAAATCTCTGGAGG
ATGTTGTTAGGGCATATTTGAAAATGGCAGAGGAAAAAACTGAAGCTGCTAAAGAAGAATCTCAGCAGATGGTCT
TAGATATAGAGGATCTAGATAATATTCAAACCTCCTGAGAGTGTCTCCTAAGTGCTGTAAGTGGTGAAGACACTC
AGGATCGTACTGACAGATTACTTTTAACTCCATGGGTTAAATTCCTGTGGGAGTCTTACAGGCAGTGTTTGGACC
TTCTTAGAAACAATTCTAGAGTAGAGCGCCTGTACCATGATATTGCCAGCAAGCTTTCAAATTCTGCCTCCAAT
ACACGCGTAAGGCTGAATTCGTAACCTGTGTGACAATTTGAGAATGCACCTTATCGCAGATTACAGGCCACCATA
ACCAAAGTACGGCAATCAATCTTAATAATCCAGAGAGCCAGTCCATGCATTTGGAAACCAGACTTGTTTCAGCTGG
ACAGTGCTATCAGCATGGAATTGTGGCAGGAAGCATTCAAAGCTGTGGAAGATATTACAGGGCTATTCTCCTTGT
CTAAAAAACCACTAAACCTCAGTTGATGGCAAATTACTATAACAAAGTCTCAACTGTGTTTTGGAAATCTGGAA
ATGCTCTTTTTTCATGCATCTACACTCCATCGTCTTTACCATCTCTCTAGAGAAATGAGAAAGAATCTCACACAAG
ATGAGATGCAAAGAATGTCTACTAGAGTCCTTTTAGCCACTCTTTCCATCCCTATTACTCCTGAGCGTACGGATA
TTGCTCGACTTCTGGATATGGATGGCATTATAGTTGAAAAACAGCGTCGCCTTGCAACACTACTAGGTCTTCAAG
CCCCACCGACACGAATTGGCCTTATTAATGATATGGTCAGATTTAATGTACTACAATATGTTGTCCAGAAGTGA
AAGACCTTTACAATTGGCTTGAAGTAGAATTTAACCATTAAAACCTGTGTGAGCGAGTCACAAAGGTTCTAAATT
GGGTTAGGGAACAACCTGAAAAGGAACCGGAATTGCAGCAGTATGTGCCACAACCTGCAAAACAACACCATCCTCC
GCCTTCTGCAGCAGGTGTACAGATTTATCAGAGCATTGAGTTTTCTCGTTTGACTTCTTTGGTTCTTTTGTG
ATGCTTTTCCAACCTGGAACGGGCCATAGTAGATGCAGCCAGGCATTGCGACTTGCAAGTTGCTATTGATCACACTT
CTCGGACCCTGAGTTTTGGATCTGATTTGAATTATGCTACTCGAGAAGATGCTCCGATTGGTCTCATTGCAAA
GCATGCCTTCAGAGCAGATAAGAAACCAGCTGACAGCCATGTCTCAGTACTTGCAAAAGCACTTGAAGTCATTA
AACCAGCTCATATACTGCAAGAGAAAGAAGAACAGCATCAGTTGGCTGTCACTGCATACCTTAAAAATTACAGAA
AAGAGCACCAGCGGATCCTGGCTCGCCGCCAGACAATTGAGGAGAGAAAAGAGCGCCTTGAGAGTCTGAATATTC
AGCGTGAGAAAGAAGAATTGGAACAGAGGGAAGCTGAACTCCAGAAAGTGCGGAAGGCTGAGGAAGAGAGGCTGC
GCCAGGAAGCAAAGGAGAGAGAGAAGGAGCGTATCTTACAGGAACATGAACAAATCAAAAAGAAAACCTGTCCGAG
AGCGTTTGGAGCAGATCAAGAAAACAGAACTGGGTGCCAAAGCATTCAAAGATATTGATATTGAAGACCTTGAGG
AATTGGATCCAGATTTTATCATGGCTAAACAGGTTGAACAACCTGGAGAAAGAAAAGAAAGAACTTCAAGAACGCC
TAAAGAATCAAGAAAAGAAGATTGACTATTTTGAAAGAGCCAAACGTTTGGAAAGAAATTCCTTTGATAAAGAGCG
CTTACGAGGAACAGAGAATTAAAGACATGGATCTGTGGGAGCAACAAGAGGAAGAAAGAATTACTACAATGCAGC
TAGAACGTGAAAAGGCTCTTGAACATAAGAATCGAATGTCACGAATGCTTGAAGACAGAGATTTATTTCGTAATGC
GACTCAAAGCTGCACGGCAGTCTGTTTATGAGGAAAAACTTAAACAGTTTGAAGAGCGATTAGCAGAAGAAAGGC
ATAATCGATTGGAAGAACGGAAAAGGCAGCGTAAAGAAGAACGCAGGATAACATACTATAGAGAAAAAGAAGAGG
AGGAGCAGAGAAGGGCAGAAGAACAATGCTAAAAGAGCGGGAAGAGAGAGAGCGCGCCGAACGAGCAAAACGCG
AGGAAGAGCTACGAGAGTATCAGGAGCGGGTGAAGAAATTAGAAGAAGTGGAAGGAAAAAACGCCAAAGGGAGT
TGGAATTTGAAGAACGAGAACGGCGTAGAGAGGAAGAGAGAAGACTTGGCGATAGTTCCCTTTCTAGAAAGGACT
CTCGTTGGGGGAGATAGAGATTGAGAAGGCACCTGGAGAAAAGGACCTGAAGCAGATTCTGAGTGGAGAAGAGGCC
CGCCAGAGAAGGAGTGGAGACGTGGAGAAGGGCGAGATGAGGACAGGTCTCATAGAAGAGATGAAGAGCGGCCCC
GGCGTCTGGGGGATGATGAAGATAGAGAGCCCTCTCTTAGACCAGACGATGATCGGGTTCCCGGCGTGGCATGG
ATGATGACAGAGGCCCTAGACGTGGTCTGAGGAAGATAGGTTCTCTCGTCTGTTGGGCGAGACGATGACCGGCCTT
CCTGGCGTAACACAGATGATGACAGGCCTCCAGACGAATTGCCGATGAAGACAGGGGAACTGGCGTCATGCGG
ATGATGACAGACCACCTAGACGAGGACTGGATGAGGACAGAGGAAGCTGGCGAACAGCTGATGAGGACAGAGGAC
CAAGACGTGGGATGGATGATGACCGGGGGCCGAGGCGAGGAGGCGCTGATGATGAGCGATCATCCTGGCGTAATG
CTGATGATGACCGGGGTCCAGGCGAGGGTTGGATGATGATCGGGGTCCAGGCGAGGCATGGATGATGACCGGG
GTCCAGGCGAGGCATGGATGATGACCGGGGTCCAGGCGAGGCATGGATGATGACCGGGGTCCAGGCGAGGGT
TGGATGATGATCGAGGACCTTGGAGGAACGCCGATGATGACAGAATTCAGGCGTGGTGCAGAGGATGACAGGG
GCCCTTGGAGAAACATGGATGATGATCGCCTTTCAAGACGTGCTGATGATGATCGGTTTCCAGACGGGGTGATG

3347/6881
FIGURE 3082B

ACTCAAGACCTGGTCCCTTGGAGACCATTAGTCAAGCCAGGTGGATGGAGAGAGAAAGAAAAAGCCAGAGAGGAGA
GCTGGGGTCCACCTCGAGAATCAAGGCCATCAGAAGAACGTGAATGGGACAGAGAAAAAGAAAGGGACAGAGATA
ATCAAGATCGGGAGGAGAATGACAAGGACCCTGAGAGAGAAAGGGACAGAGAGAGAGATGTGGATCGAGAGGATC
GCTTCAGAAGACCTAGGGATGAAGGTGGCTGGAGAAGAGGACCAGCTGAGGAATCTTCAAGCTGGAGAGACTCAA
GTCGCCGGGACGATAGGGATAGGGATGACCGTCGCCGTGAGAGGGATGACCGGCGTGATCTAAGAGAAAAGACGAG
ATCTAAGAGACGACAGGGACCGAAGAGGACCTCCACTCAGATCAGAACGTGAAGAAGTAAGTTCTTGGAGACGTG
CTGATGACAGGAAAGATGACCGGGTGAAGAGCGGGACCCTCCTCGTCGAGTTCCTCCCCAGCTCTTTCAAGAG
ACCGAGAAAGAGACCGAGACCGAGAAAGAGAAGGTGAAAAAGAGAAGGCCTCATGGAGAGCTGAGAAAGATAGGG
AATCTCTCCGTCTACTAAAAATGAGACTGATGAAGATGGATGGACCACAGTACGACGTAAAGTCTCAAGATAAT
GGATTTAAACTGGTGTCTTAAATAGGTTTGATCACATTCAAGGATTATTATACTTGTGCTTCAACCAATCTAAAT
TGGATTCTTTAATGTTGTTTCACCATAACACAAAAAGCATGAACCTGTATTAAATCCTATATAATAGATTGATCAT
GCACCATATCCACAGGAGGTTGGAAAAACCATGCCATTTTCTGGAATTTAAGGGTGTTCATTATTTTCATCAATC
ATTTGTTGACAAAAAAGAAAACTAAAAAATAAATTTAAATGTGACCCTTCAGGTATTGAGTAACACCTTTATC
TTGGTATAGAACTGATACTTTTTTTTTTGATTTTGAAATATCTGATAATAATTTGGAATGAAGTAAGGTTCTGTTA
AAATATATTTGAAGACCCCTTTAAAGCAGTGAATCTGAAACAATTTTCACACCCCTTAAGTGGTTGATACGTACCTA
TTTTAGGTATTTTGAGGTATTTACCATAAACTAAATTTAGAAATTTTTTAGATTCACTTGAAGTAAACATTACAA
ACATTGGATACGGTGGGGTTTTCTTTAGATTTTACTTGAGAGAAGGTGAGTACAAAGCAATTTGCAGTTGTTGTA
ATGACAAGATTACTGCGCAAGTGTGAATCCAAACAGTATAGCTTTTAAATTTTAAAGCATTGTTAAATTATCGC
TGAGTTTTTTTTCTGTTGCCAATAGCAAACCTGCTTTTCCATTAAATGGAGAATTCATGCCCTTCAAGCATTTTAAAT
ATGACAATATTTATAAATGTATGGTTTGGAGGAATCGTTTAAATTCTCTTTCCTAATTTCTTTCTTTTGAAGAT
AGATTCTTTCAACAAGTAATTTGTAGTAATGACTGTGTTGACTTCAATTTTGGAGCGCAGTAGCTATGTTAAAGA
TGAATATTTGGTCTCATTGAAGCCAACACAGAACTTGCTGCTGTGTTTTTTCTTCAGTGATAAATAAAATACTT
ACAG

3348/6881
FIGURE 3083

MPAYFQRPENALKRANEFLEVGGKKQPALDVLYDVMKSKKHRTWQKIHEPIMLKYLELCVDLRKSHLAKEGLYQYK
NICQQVNIKSLEDVVRAYLKMAEEKTEAAKEESQQMVLDIEDLDNIQTPEVLLSAVSGEDTQDRTDRLLLTWPV
KFLWESYRQCLDLLRNNSRVERLYHDIAQQAFKFCLQYTRKAEFRKLCNLRMHLSQIQRHNNQSTAINLNNPES
QSMHLETRLVQLDSAISMELWQEAFAVEDIHGLFSLSKPPKPQLMANYYNKVSTVFWKSGNALFHASTLHRLY
HLSREMRKNLTQDEMQRMSRVLATLSIPITPERTDIARLLDMDGIIVEKQRRLATLLGLQAPPTRIGLINDMV
RFNVLYQYVPEVKDLYNWLEVEFNPLKLCERVTKVLNWVREQPEKEPELQQYVPQLQNNITLRLQLQVVSQIYQSI
EFSRLTSLVPFVDAFQLERAIVDAARHCDLQVRIDHTSRTLSFGSDLNYATREDAPIGPHLQSMPSQIRNQLTA
MSSVLAKALEVIKPAHILQEKEEQHQLAVTAYLKNSRKEHQRIARRQTIEERKERLESINIQREKEELEQREAE
LQKVRKAEERLRQEAKEREKERILQEHEQIKKKTVRERLEQIKKTELGAFAFKDIEDLEELDPDFIMAKQVE
QLEKEKKELQERLKNQEKKIDYFERAKRLEEIPLIKSAYEEQRIKMDLWEQQEEERITTMQLEREKALEHKNRM
SRMLEDRDLFVMRLKAARQSVYEEKLKQFEERLAEERHNRLEERKRQRKEERRITYREKEEEEQRRAEEOMLKE
REERERAERAKREEELREYQERVKKLEEVERKKRQRELEIEERERRREEERRLGDSLSRKDSRWGDRDSEGTWR
KGPEADSEWRRGPPEKEWRRGEGRDEDRSHRRDEERPRRLGDDEDREPSLRPDDDRVPRRGMDDDRGPRRGPPEED
RFSRRGADDDRP SWRNTDDDRPPRIADEDRGNWRHADDDRP RRGLDEDRG SWRTADEDRGP RRGMDDDRGP RR
GGADDERSSWRNADDDRGPRRGLDDDRGP RRGMDDDRGP RRGMDDDRGP RRGLDDDRGP WRNADD
DRIPRRGAEDDRGPWRNMDDDRLSRRADDDRFPRRGDDSRPGPWRPLVKPGGWREKEKAREESWGPPRESRPSEE
REWDREKERDRDNQDREENDKDPERERDRERDVREDRFRPRRDEGGWRRGP AEESSWRDSSRRDDDRDRDRRR
ERDDRRDLRERRDLRDDRRRGPP LRSEREEVSSWRRADDRKDDRVEERDPFRRVPPPALSRRDRERDRERE
KEKASWRAEKDRESLRRTKNETDEDGWITTVRR

3349/6881
FIGURE 3084

CTCCACGCGCGGCTTGGCGGCGGCGGCCACTCTAACCAGCGCAAAATGTCCTTGGAACAGGAGGAGGAAACGCAA
CCTGGGCGGCTCCTAGGACGCAGAGACGCCGTCCCCGCCCTTCATTGAGCCCAACGTGCGCTTCTGGATCACCGAG
CGCCAATCCTTTATTTCGACGATTTCTTCAATGGACAGAATTATTAGATCCTACAAATGTGTTCATTTTCAGTTGAA
AGTATAGAAAACTCGAGGCAACTATTGTGCACAAATGAAGATGTTTCCAGCCCTGCCTCGGCGGACCAAAGGATA
CAAGAAGCTTGGGAAGCGGAGTCTTGCAACAGTGCATCCCGACAGCAGCAACCTGATCCCCAAGCTTTTTTCGACCT
GCAGCGTTTCCTGCCTTTTCATGGCACCCACGGTATTTTTGTCAATGACGCCACTGAAAGGGATCAAGTCCGTGATT
TTACCTCAGGTTTTCTCTGTGCCTACATGGCAGCGTTCAACAGCATCAATGGAAACAGAAGTTACACTTGTAAAG
CCACTAGAAAGATCATTACTAATGGCGGGAGCCGTTGCTTCTTCAACTTTCTTAGGAGTAATCCCTCAGTTTGTG
CAGATGAAGTATGGCCTGACTGGCCCTTGGATTAAAAGACTCTTACCTGTGATCTTCTCGTGCAAGCCAGTGGA
ATGAATGTCTACATGTCCCGAAGTCTTGAATCCATTAAGGGGATTGCGGTCATGGACAAGGAAGGCAATGTCCTG
GGTCATTCCAGAATTGCTGGGACAAAGGCTGTTAGAGAAACGCTAGCATCCAGAATAGTGCTGTTTGGGACCTCA
GCTCTGATTCTGAAGTCTTCACCTACTTTTTTAAAAGGACCCAGTATTTTCAGGAAAAACCCAGGGTCATTGTGG
ATTTTGAAACTGTCTTGTACTGTCTGGCAATGGGACTGATGGTGCCATTTTCTTTTAGTATATTTCCACAGATT
GGACAGATACAGTACTGTAGTCTTGAAGAGAAAAATTCAGTCTCCAACAGAAGAAACAGAAATCTTTTATCACAGA
GGGGTGTAGGCGTGAGTTTTAGGTGAATTTATGTGGTTCCCTGCTTGAAAACCTTCCCCTCTCCAGGTTTCGGTTTA
GAGAACTTTGCCACAGGTCTTCTGGGGTTTTTAAGGCTGGCTGGAGAAGACAGTGGGAGGGTGCCCCGTCTGACA
CCCCTGGGGTTGCTGAGGGAACGGTTGGAGTGGGGATCGGCCTGCGAAAGGATACTGTGAAATCACTAATTAAC
AATAAACCTGTCTCAAGTTGAGGATTGAAGAAA

3350/6881
FIGURE 3085

MSLEQEEETQPGRLLGRRDAVPAFIEPNVRFWITERQSFIRRFLOWTELLDPTNVFISVESIENSRLCTNEDV
SSPASADQRIQEAWKRSLATVHPDSSNLIPKLFRPAAFLPFMAPTVFLSMTPLKGIKSVILPQVFLCAYMAAFNS
INGNRSYTCKPLERSLLMAGAVASSTFLGVIPQFVQMKYGLTGPWIKRLLPVIFLVQASGMNVYMSRSLESIKGI
AVMDKEGNVLGHSRIAGTKAVRETLASRIVLFGTSALIFEVFTYFFKRTQYFRKNPGSLWILKLSCTVLAMGLMV
PFSFSIFPQIGQIQYCSLEEKIQSPTEETEIFYHRGV

3351/6881
FIGURE 3086

CTGAAGATGCGGGCTGCTGTAGGACGGTTGCTCCGAGCGTCGGTTGCCCCGACATGTGAGTGCCATTCCCTTGGGGC
ATTTCTGCCACTGCAGCCCTCAGGCCTGCTGCATGTGGAAGAACGAGCTTGACAAATTTATTGTGTTCTGGTTCC
AGTCAAGCAAAATTATTTCAGCACCAGTTCCTCATGCCATGCACCTGCTGTCACCCAGCATGCACCCTATTTTAAG
GGTACAGCCGTTGTCAATGGAGAGTTCAAAGACCTAAGCCTTGATGACTTTAAGGGGAAATATTTGGTGCTTTTC
TTCTATCCCTTGGATTTACCTTTGTGTGTCCTACAGAAATTGTTGCTTTTAGTGACAAAGCTAACGAATTTAC
GACGTGAACTGTGAAGTTGTCGCAGTCTCAGTGGATTCCCACTTTAGCCATCTTGCCCTGGATAAATACACCAAGA
AAGAATGGTGGTTTGGGCCACATGAACATCGCACTCTTGTGCACTTAACCTAAGCAGATTTCCCGAGACTACGGT
GTGCTGTTAGAAGGTTCTGGTCTTGCACTAAGAGGTCTCTTCATAATTGACCCCAATGGAGTCATCAAGCATTG
AGCGTCAACGATCTCCCAGTGGGCCGAAGCGTGGAAGAAACCTCCGCTTGGTGAAGGCGTTCCAGTATGTAGAA
ACACATGGAGAAGTCTGCCCAGCGAAGTGGACACCGGATTCTCCTACGATCAAGCCAAGTCCAGCTGCTTCCAAA
GAGTACTTTTCAGAAGGTAAATCAGTAGATCACCCATGTGTATCTGCACCTTCTCAACTGAGAGAAGAACCACAGT
TGAAACCTGCTTTTATCATTTTCAAGATGGTTATTTGTAGAAGGCAAGGAACCAATTATGCTTGTATTTCATAAGT
ATTACTCTAAATGTTTTGTTTTGTAATTCTGGCTAAGACCTTTTAAACATGGTTAGTTGCTAGTACAAGGAATC
CTTTATTGGTAACATCTTGGTGGCTGGCTAGCTAGTTTCTACAGAACATAATTTGCCTCTATAGAAGGCTATTCT
TAGATCATGTCTCAATGGAAACACTCTTCTTTCTTAGCCTTACTTGAATCTTGCCTATAATAAAGTAGAGCAACA
CACATTGAAAGCTTCTGATCAACGGTCCTGAAATTTTCATCTTGAATGTCCTTGTATTAACTGAATTTTCTTTT
AAGCTAACAAAGATCATAATTTTCAATGATTAGCCGTGTAACCTCTGCAATGAATGTTTATGTGATTGAAGCAAA
TGTGAATCGTATTATTTTAAAAAGTGCCAGAGTGACTTAACTGATCATGCATGATCCCTCATCCCTGAAATTGAG
TTTATGTAGTCATTTTACTTATTTTATTTCATTAGCTAACTTTGTCTATGTATTTCTAGATATTGATTAGTGTA
ATCGATTATAAAGGATATTTATCAAATCCAGGGATTGCATTTTGAAATTATAATTATTTTCTTTGCTGAAGTATT
CATTGTAAACATACAAAATAAACATATTTTAAA

3352/6881
FIGURE 3087

MAAAVGRLLRASVARHVSAIPWGISATAALRPAACGRTSLTNLLCSGSSQAKLFSTSSSCHAPAVTQHAPYFKGT
AVVNGEFKDLSLDDFKGKYLVLFFYPDFTFVCPTEIVAFSDKANEFHDVNCEVVAVSVDSHFSLAWINTPRKN
GGLGHMNIALLSDLTKQISRDYGVLLLEGSGLALRGLFIIDPNGVIKHLVNDLPVGRSVEETLRLVKAFQYVETH
GEVCPANWTPDSPTIKPSPAASKEYFQKVNQ

3353/6881
FIGURE 3088

CAGAGGGAGGAAGAAGCGGCGGGCGGGCGGGCGGGCGGGCGGGCTCCTCTTTGCAGAGGGGGAAACTCTTGGGGCT
GAGAGCAGGAATAATGCGGTAGGCAAGGCGGGCTGCTGGCTCCCCCGGCTCCGGCAGCAGCGGGCGGCAGCCCCGAG
CAGCGGCAGCAGCAGCGGCAGCACCCCAGGCGCTGACAGCCCCGCGGGCGGGCTCCGTTGCTGACCGCCGACTGT
CAATGGAGCTGGAAAACATCGTGGCCAACACGGTCTTGCTGAAAGCCAGGGAAGGGGGCGGAGGAAAGCGCAAAG
GGAAAAGCAAGAAGTGGAAAGAAATCCTGAAGTTCCCTCACATTAGCCAGTGTGAAGACCTCCGAAGGACCATAG
ACAGAGATTACTGCAGTTTATGTGACAAGCAGCCAATCGGGAGGCTGCTTTTCCGGCAGTTTTGTGAAACCAGGC
CTGGGCTGGAGTGTACATTCACTTCTGGACTCCGTGGCAGAATATGAAGTTACTCCAGATGAAAACTGGGAG
AGAAAGGGAAGGAAATTATGACCAAGTACCTCACCCCAAAGTCCCCTGTTTTCATAGCCCAAGTTGGCCAAGACC
TGGTCTCCCAGACGGAGGAGAAGCTCCTACAGAAGCCGTGCAAAGAACTCTTTCTGCCTGTGCACAGTCTGTCC
ACGAGTACCTGAGGGGAGAACCATTCCACGAATATCTGGACAGCATGTTTTTTGACCGCTTCTCCAGTGGAAAGT
GGTTGGAAAGGCAACCGGTGACCAAAAACACTTTTCAGGCAGTATCGAGTGTAGGAAAAGGGGGCTTCGGGGAGG
TCTGTGCCTGCCAGGTTTCGGGCCACGGGTAAAATGTATGCCTGCAAGCGCTTGGAGAAGAAGAGGATCAAAAAGA
GGAAAGGGGAGTCCATGGCCCTCAATGAGAAGCAGATCCTCGAGAAGGTCAACAGTCAGTTTGTGGTCAACCTGG
CCTATGCCTACGAGACCAAGGATGCACTGTGCTTGGTCTGACCATCATGAATGGGGGTGACCTGAAGTTCCACA
TCTACAACATGGGCAACCCTGGCTTCGAGGAGGAGCGGGCCTTGTTTTATGCGGCAGAGATCCTCTGCGGCTTAG
AAGACCTCCACCGTGAGAACACCGTCTACCGAGATCTGAAACCTGAAAACATCCTGTTAGATGATTATGGCCACA
TTAGGATCTCAGACCTGGGCTTGGCTGTGAAGATCCCCGAGGGAGACCTGATCCGCGGGCGGGTGGGCACTGTTG
GCTACATGGCTCCAGAGGTCTGAACAACCAGAGGTACGGCCTGAGCCCCGACTACTGGGGCCTTGGCTGCCTCA
TCTATGAGATGATCGAGGGCCAGTCGCGGTTCCGCGGCCGCAAGGAGAAGGTGAAGCGGGAGGAGGTGGACCGCC
GGGTCTGGAGACGGAGGAGGTGTACTCCACAAGTTCTCCGAGGAGGCCAAGTCCATCTGCAAGATGCTGCTCA
CGAAAGATGCGAAGCAGAGGCTGGGCTGCCAGGAGGAGGGGGCTGCAGAGGTCAAGAGACACCCCTTCTTCAGGA
ACATGAACCTTCAAGCGCTTAGAAGCCGGGATGTTGGACCCCTCCCTTCGTTCCAGACCCCCGCGCTGTGTACTGTA
AGGACGTGCTGGACATCGAGCAGTTCTCCACTGTGAAGGGCGTCAATCTGGACCACACAGACGACGACTTCTACT
CCAAGTTCTCCACGGGCTCTGTGTCCATCCCATGGCAAAACGAGATGATAGAAACAGAATGCTTTAAGGAGCTGA
ACGTGTTTGGACCTAATGGTACCCTCCCGCCAGATCTGAACAGAAACCACCCTCCGGAACCGCCCAAGAAAGGGC
TGCTCCAGAGACTCTTCAAGCGGCAGCATCAGAACAATTCCAAGAGTTCGCCCAGCTCCAAGACCAGTTTTAACC
ACCACATAAACTCAAACCATGTCAGCTCGAACTCCACCGGAAGCAGCTAGTTTCGGCTCTGGCCTCCAAGTCCAC
AGTGGAACCAGCCAGACCCTTCTCCTTAGAAGTGGAAGTAGTGGAGCCCCTGCTCTGGTGGGGCTGCCAGGGGA
GACCCCGGGAGCCGGGGAAGGAGGCCGTCCATCCCGTCGACGTAGAACCCTCGAGGTTTCTCAAAGAAATTTCCAC
TCAGGTCTGTTTTCCGAGGCGGCCCCGGCCGGGGTGGATTGGATTGTCTTTGGTGAACATTGCAATAGAAATCC
AATTGGATACGACAACCTTGCACGTATTTAATAGCGTCATAACTAGAACTGAATTTTGTCTTTATGATTTTAAA
GAAAAGTTTTGTAAATTTCTCTACTGTCTCAGTTTACATTTTGTATATTTGTATTTAAATGAAAGTGAGACTTTG
AGGGTGTATATTTTCTGTGCAGCCACTGTTAAGCCATGTGTTCCAAGGCATTTTAGCGGGGAGGGGGTTATCAAA
AAAAAAAAAATGTGACTCAAGACTTCCAGAGCCTCAAATGAGAAAATGTCTTTATTAAATGTAGAAAGTGATCCA
TACTTC

3354/6881
FIGURE 3089

GCGTGATCGGTTTCCGGTCAGTGGTGTGGTACCGGGTACCCGGAGACGTGTATCGGACGGTGGGCCGAGCCATG

GCCGAGAGAAAACCTAACGGTGGCAGCGGGCGGCCCTCCACTTCCTCATCGGGCACTAACTTACTTTTCTCCTCC
TCGGCCACGGAGTTCAGCTTCAATGTGCCCTTCATCCAGTCACCCAGGCCTCCGCTTCTCCGGCCTCCCTGCTC
TTACCGGGAGAGGATTCCACAGATGTTGGTGAGGAGGACAGCTTCCTTGGTGAGACTTCTATTACACATCTGCC
CCACAGACATTTAGTTACTTCTCTCAGGTATCAAGCAGCAGTGATCCTTTTGGAATATTGGACAGTCACCATTA
ACAACCTGCAGCAACCTCAGTTGGACAATCAGGATTCCCAAGCCCCTGACTGCTCTCCCTTTTACAACCTGGATCC
CAAGATGTCTCGAATGCATTTTACCATCCATTTGAAGGCTCAACCTGGTGCTCCACCTTCCTCACTGATGGGA
ATAAATTCCTTATCTGCCCTTCTCAGCCAAGTAGTCTCCCTCCTTCATATTTTGGAACCAACCCCAAGGAATTCCC
CAACCAGGATACAATCCATATCGCCATAACCCCTGGCAGCAGCAGGGCTAATCCTTACATTGCACCACCCAGCTG
CAGCAGTGCCAAACACCAGGCCCTCCTGCTCATCTCCACCTTCTGGACCCCCTGTTGAGATGTACCAGATGCCT
CCAGGATCTTTGCCACCGGTTCTTCTCAGTGCACTACCGGCACAGCAGGACCTGCCAGACCTGGGGCT
CCCTCTGTTCAAGTGCCATCTCCTTTTCTACTTCAAAACCAATATGAGCCTGTTGAGCCCCACTGGTTTTACTGC
AAGGAGGTAGAATACAAACAACTGTGGATGCCTTTTAGTGTGTTGCACTCTTTGAATCTTGAAGAAATCTATAAT
TCAGTTCAGCCAGATCCGGAGAGCGTGGTTCTTGCCACGGATGGAGGGCGCTACGATGTTTACCTCTATGACCGA
ATAAGGAAGGCTGCCTACTGGGAAGAGGAGCCAGCCGAAGTGAGACGCTGTACTTGGTTTTACAAGGGGGACACA
GATAGTCGATTTATTCCCTATACTGAGGAGTTCAGTGAAAACTAGAGGCTGAATATAAAAAAGCTGTAACCACT
AATCAGTGGCACCGAAGATTAGAGTTTCCAAGTGAGAGACAATTGTTATGCACAATCCAAAGGTTATTGTTGAG
TTCCAGCCCTCCTCAGTGCCAGATGAATGGGGCACCACGCAAGATGGACAGACAAGGCCAGGGTTGTAAAGCGT
GGAATTGATGATAACCTTGATGAAATTCGACGGGGAGATGCCTCAAGTTGACCATTGGGTGTTTGGTGGTGCAT
GGCATTGGACCTGTGTGTGACTTACGCTTTAGGAGCATTATTGAGTGTGTGGATGATTTTAGGGTGGTTTCTCTC
AAATTGCTGCGGACACATTTCAAGAAATCTTTAGATGACGGGAAAGTAAGCAGAGTGGAGTTCCTTCCAGTTCAT
TGGCATAGTTCTTTGGGTGGGGACGCCACAGGTGTGGACAGGAATATTAAGAAAATCACTTTGCCAAGTATTGGT
CGATTTGCTCACTTTACCAATGAAACTTTGCTAGATATTTTATTTTATAACAGCCCCACCTACTGTGACACAATT
GTGGAAGAAAGTAGGAATGGAGATAAACCATCTGCATGCACTCTTATGAGTCGGAACCCAGACTTCAAAGGAGGT
GTCTCTGTTGCTGGTTCACAGTTTAGGTTCTTTAATATTGTTTGACATCCTGTCTAATCAAAAAGATTTGAATTTA
TCAAAGTGCCCTGGACCTCTTGCTGTTGCTAATGGAGTTGTGAAGCAGCTACATTTTTCAGGAAAAGCAGATGCCT
GAAGAGCCAAAGCTGACTTTGGATGAGTCGTATGACCTTGTGTTGAAAATAAAGAAGTCCTAACTTTGCAAGAA
ACTCTGGAAGCACTTAGCCTCTCTGAATATTTTAGCACTTTTGAAAAGGAAAAGATTGATATGGAGTCCCTGCTT
ATGTGTACAGTTGATGACCTGAAGGAAATGGGGATACCCCTTGGAACCCAGAAAGAAGATAGCTAACTTTGTAGAA
CATAAAGCAGCCAAACTGAAAAAAGCAGCGTCAGAAAAGAAGGCAGTGGCGGCCACTTCTACAAAAGGACAAGAG
CAAAGTGCCGAGAAGACTAAAGACATGGCTTCCCTCCCTCAGAATCCAATGAGCCAAAGAGGAACTTCCAGTT
GGTGCTTGCGTGTCTTCTGTGTGTGTAATTATGAATCTTTGAAGTTGGCGCCGGACAGGTTTCTGTTGCTTAC
AACTCATTAGATTTTGAACCAGAGATATTCTTTGCCTTGGGGTCTCCAATTGCTATGTTTCTCACTATTGAGGA
GTTGATAGGATAGATGAGAATTACAGCCTTCCTACCTGTAAAGGGTCTTCAATATTTATCATCCGCTTGATCCA
GTGGCATATAGATTAGAACCTATGATTGTTCCAGATTGGACCTAAAAGCTGTTCTCATTCCACATCACAAAGGC
AGAAAAAGACTTCATTTAGAATTGAAAGAGAGTCTCTCTCGTATGGGATCTGATTTGAAGCAGGGTTTTATTAGC
TCTCTCAAAGTGCTTGGCAGACATTAAATGAGTTTGCCCGTGCTCATACGTCTTCAACCCAGTTGCAAGAAGAA
TTGGAGAAGGTGGCCAATCAGATCAAAGAAGAAGAAAAGCAAGTAGTTGAAGCAGAAAAGGTTGTTGAAAGT
CCAGATTTTCCAAGGATGAGGACTACTTAGGAAAAGTTGGAAATGTTAAATGGAGGCCGCCGAATTGACTACGTT
CTCCAAGAAAAACCAATAGAGAGTTTAAATGAATACCTTTTCGCTCTTCAGAGTCACTTATGCTATTGGGAATCT
GAAGATACTGCTCTGTTACTACTTAAAGAAATTTATCGAACAATGAACATTAGTCCAGAACAGCCCCAGCATTGA
TCAAACCTTCAGTT

3355/6881
FIGURE 3090

MAERKPNGGSGGASTSSSGTNLLFSSSATEFSFNVPFIPVTQASASPASLLLPGEDSTDVGEEDSFLGQTSIH
APQTFSYFSQVSSSSDPFGNIGQSPLTTAATSVGQSGFPKPLTALPFTTGSQDVSNAFSPSISKAQPGAPPSSLM
GINSYLESPQPSLPPSYFGNQPGIPQPGYNPYRHTPGSSRANPYIAPPQLQQCQTPGPPAHPPPSGPPVQMYQM
PPGSLPPVPSSVQSPAQQQVPARPGAPSVQVPSPFLLQNQYEPVQPHWFYCKEVEYKQLWMPFSVFDNLNLEEIY
NSVQPDPESEVVLGTDGGRYDVYLYDRIRKAAWEEEPAEVRRCTWIFYKGDTSRFPYTEEFSEKLEAEYKKAVT
TNQWHRRLFPSETIVMHNPKVIVQFQPSSVPDEWGTQDQGQTRPRVVKRGIDDLNDEIPDGEMPQVDHLVFFV
HGIGPVCDLRFRSIIECVDDFRVVSLLKLLRTHFKKSLDDGKVS RVEFLPVHWHSSLGGDATGVDRNIKKITLPSI
GRFRHFTNETLLDILFYNSPTYCQTIVEKVGMEINHLHALFMSRNPDKGGVSVAGHSLGSLILFDILSNQKDLN
LSKCPGPLAVANGVVKQLHFQEKQMPEEPKLTLDSEYDLVVENKEVLTQETLEALSLSEYFSTFEKEKIDMESL
LMCTVDDLKEMGIPLGPRKKIANFVEHKAALKKAASEKKAVAATSTKGQEQAQKTKDMASLPSESNEPKRKL
VGACVSSVCVNYESFEVGAGQVSVAYNSLDFEPEIFFALGSPIAMFLTIRGVDRIDENYSLPTCKGFFNIYHPLD
PVAYRLEPMIVPDLDLKAVLIPHKKGRKRLHLELKESSLRMGSDLKQGFISLKS AWQTLNEFARAHTSSTQLQE
ELEKVANQIKEEEKQVVEAEKVVE SPDFSKDEDYLGKVGMLNGGRRIDYVLQEKPIESFNEYLFALQSHLCYWE
SEDTALLLLKEIYRTMNISPEQPQH

3356/6881
FIGURE 3091

GAACCGCCATCTTCCAGTAATTCGCCAAAATGACGAACACAAAGGGAAAGAGGAGAGGCACCCGATATATGTTCT
CTAGGCCTTTTAGAAAACATGGAGTTGTTCCTTTGGCCACATATATGCGAATCTATAAGAAAGGTGATATTGTAG
ACATCAAGGGAATGGGTACTGTTCAAAAAGGAATGCCCCACAAGTGTTACCATGGCAAACTGGAAGAGTCTACA
ATGTTACCCAGCATGCTGTTGGCATTGTTGTAAACAAACAAGTTAAGGGCAAGATTCTTGCCAAGAGAATTAATG
TGCGTATTGAGCACATTAAGCACTCTAAGAGCCGAGATAGCTTCCTGAAACGTGTGAAGGAAAATGATCAGAAAA
AGAAAGAAGCCAAAGAGAAAAGGTACCTGGGTTCAACTAAAGCGCCAGCCTGCTCCACCCAGAGAAGCACACTTG
TGAGAACCAATGGGAAGGAGCCTGAGCTGCTGGAACCTATTCCCTATGAATTCATGGCATAATAGGTGTTAAAAA
AAAAAATAAAGGACCTCTGGGCTACAAAAAAAAAAAAAAAAAAAA

3357/6881
FIGURE 3092

MTNTKGKRRGTRYMFSRPFRKHGVVPLATYMRIYKKGDIVDIKMGTVQKGMPHKCYHGKTGRVYNVTQHAVGIV
V NKQVKGKILAKRINVRIEHIKHSKSRDSFLKRVKENDQKKKEAKEKGTWVQLKRQPAPPREAHFVRTNGKEPEL
LEPIPYEFMA

3358/6881
FIGURE 3093

GAAGCAAGGAGGCGGCGGCGGCCGAGCGAGTGGCGAGTAGTGGAAACGTTGCTTCTGAGGGGAGCCCAAGATGAC
CGGTTCTAACGAGTTCAAGCTGAACCAGCCACCCGAGGATGGCATCTCCTCCGTGAAGTTCAGCCCCAACACCTC
CCAGTTCTGCTTGTCTCCTCCTGGGACACGTCCGTGCGTCTCTACGATGTGCCGGCCAACCTCCATGCGGGCTCAA
GTACCAGCACACCGGCGCGCTCCTGGACTGCGCCTTCTACGATCCAACGCATGCCTGGAGTGGAGGACTAGATCA
TCAATTGAAAATGCATGATTTGAACACTGATCAAGAAAATCTTGTGGGACCCATGATGCCCTATCAGATGTGT
TGAATACTGTCCAGAAGTGAATGTGATGGTCACTGGAAGTTGGGATCAGACAGTTAACTGTGGGATCCCAGAAC
TCCTTGTAATGCTGGGACCTTCTCTCAGCCTGAAAAGGTATATACCTCTCAGTGTCTGGAGACCGGCTGATTGT
GGGAACAGCAGGCCGAGAGTGTGGTGTGGGACTTACGGAACATGGGTTACGTGCAGCAGCGCAGGGAGTCCAG
CCTGAAATACCAGACTCGCTGCATACGAGCGTTTCCAAACAAGCAGGGTTATGTATTAAGCTCTATTGAAGGCCG
AGTGGCAGTTGAGTATTTGGACCCAAGCCCTGAGGTACAGAAGAAGATATGCCTTCAAATGTCACAGACTAAA
AGAAAATAATATTGAGCAGATTTACCCAGTCAATGCCATTTCTTTTACAAATATCCACAATACATTTGCCACAGG
TGGTTCTGATGGCTTTGTAAATATTTGGGATCCATTTAACAAAAAGCGACTGTGCCAATTCCATCGGTACCCAC
GAGCATCGCATCACTTGCTTTCAGTAATGATGGGACTACGCTTGCAATAGCGTCATCATATATGTATGAAATGGA
TGACACAGAATCCTGAAGATGGTATCTTCATTGCGCAAGTGACAGATGCAGAAACAAAACCCCAAGTCACCATG
TACTTGACAAGATTTCAATTTACTTAAGTGCCATGTTGATGATAATAAAAAAATTCGTACTCCCCAATGGTGGATT
TATTACTATTAAAGAAACCAGGGAATAATTAATTTTAAATATTATAACAACCTGAAAATAATGAAAAGAGGTTT
TTGAATTTTTTTTTTTTAAATAAACACCTTCTTAAGTGCATGAGATGGTTTGATGGTTTGCTGCATTAAAGGTATT
TGGGCAAAACAAAATTGGAGGGCAAGTGACTGCAGTTTTGAGAATCAGTTTTGACCTTGATGATTTTTTGTTC
CTGTGGAATAAATGTTTGTAAATAAGTGTAATAAAAAATCCCTTTGCATTCCTTCTGGACCTTAAATGGTAGAGG
AAAAGGCTCGTGAGCCATTTGTTTCTTTTGTGTTTATAGTTGCTAATCTAAAGCTGCTTCAGACTGCTTCATG
AGGAGGTTAATCTACAATTAACAATATTTTCTCCTGGCCGTCCATTTATTTCTGAAGCAGATGGTTTCATCATT
CCTGGGCTGTTAAACAAAGCGAGGTTAAGGTTAGACTCTTGGGAATCAGCTAGTTTTCAATCTTATTAGGGTGCA
GAAGGAAAACCTAATAAGAAAACCTCCTAATATCATTTTGTGACTGTAAACAATTATTTATTAGCAACAATTGAT
CCCAGAAGGGCAAATTGTTTGAGTCAGTAATGAGCTGAGAAAAGACAGAGCATATCTGTGATTTGGAAAAATAA
TTGTAACGTAATTGCAGTGCATTTAGACAGGCATCTATTTGGACCTGTTTCTATCTCTAAATGAATTTTTGGAAA
CATTAATGAGGTTTACATATTTCTCTGACATTTATATAGTTCTTATGTCCATTTAGTTGACCAGCCGCTGGTGA
TTAAAGTTAAAAAGAAAAAAATTATAGTGAGAATGAGATTCATTTCAATGTAATGCACTAAAGCAGAACACGAAC
TTAGCTTGGCCTATTCTAGGTAGTTCCAAATAGTATTTTGTGTGCAAACTTTAAATTTATATTAATTTGCAAA
TGTATGTCTCTGAGTAGGACTTGGACCTTTCTGAGATTTATTTTATCCGTGATGTATTTTTTTTAAATCTTTTG
ATACAGAGAAGGGTCTTTTTTTTTTTAAGTATTTTCAAGTAACTTTGGTGTAAAGTCTGAACCCATCTTTTGAAAT
GTATTTTCTTCATTGCAGGTCCACCTAATCATCCTGTGAAAGTGGTTTCTCTATGGAAAGCTTTGTTTGCTTCTT
ACAAATACATGCTTATTCCTTAAGGGATGTGTTAGAGTTACTGTGGATTTCTCTGTTTTCTGTCTTACAAGAAAC
TTGTCTATGTACCTTAATACTTTGTTTAGGATGAGGAGTCTTTGTGTCCCTGTACAGTAGTCTGACGTATTTCCC
CTTCTGTCCCCTAGTAAGCCCAGTTGCTGTATCTGAACAGTTTGAGCTCTTTTGTAAATATACTCTAAACCTGTT
ATTTCTGTGCTAATAAACGAGATGCAGAACCTTGAAAAA

3359/6881
FIGURE 3094

MTGSNEFKLNQPPEDGISSVKFSPNTSQFLLVSSWDTSVRLYDVPANSMRLKYQHTGAVLDCAFYDPTHAWSGGL
DHQLKMHDNLNTDQENLVGTHDAPIRCVEYCPEVNVMTGSDQTVKLWDPRTPCNAGTFSQPEKVYTLVSGDRL
IVGTAGRRVLVWDLRNMGYVQQRRESSLKYQTRCIRAFPNKQGYVLSSIEGRVAVEYLDPSPEVQKKKYAFKCHR
LKENNIEQIYPVNAISFHNIHNTFATGGSDFVNIWDPFNKKRLCQFHRYPTSIASLAFSNDGTTLAIASSYME
MDDTEHPEDGIFIRQVTAETKPKSPCT

3360/6881
FIGURE 3095

ATTTTCCACGCTGTACCGGCGGAAATTCAAGCACTGGAAGAGAGGTTCCGGGGCTGGGCTGGCCTGACTGAAGGC
GGCGGAATGGAGACGCGGACCGAGGACGGGGGCCTCACCCGCCGCCCCACGCTGGCCTCTTCTTGGGATGTTGCA
GGCGGGGCCCTGACCCACAGCCTCCTCCTCACCCGGGCCGGTCTCGGCCCCGGTGACTTCGACTGGGAGGAGCTG
CTGGCACCGCCTGCTCCAGGTCAGGATCTGGTGATTTTGAAGAGAAACCACAACGACAAAGATGAAAACCCCTGC
TTCCTTTACCTGAGGTGTGGCCCTGATGGAGGTGAAGAAATCGCTTCTATTGGCATTTTAAGTTCAGCAAGAAAT
ATGGAAGTGACTTAGGAGAGGAGTACTGTGGAACCAGTAGGGGCAAGAATGTTTGTACTGTCCTGGATGACAGT
GAACATGAAAAGATCATTGTATATAAAAAAATCTAAAATTGGAGTCCTCCACACATGCTTGTAATAAAGTTG
CTCTCCTTTGGCGAAAGGCAGTGTGTGTTTCATCAGTAAAGTTGTGGTACACATGAGATCAGTTTTTGCAAATTCT
TCAACAAGCTCTCCTGCTCTAGGATCAAGGATAGACCTTGACAAGGTCCAAACCATAATGGAGTCCATGGGGTCA
AAGTTATCTCCTGGAGCTCAGCAGTTGATGGATATGGTTAGGTGTCAGCAGCGGAATTGTATTCCCATTGGAGAG
CAGCTTCAGTCGGTGTGGGCAATTCTGGATACAAGCATATGATTGGACTACAATCCTCATCTACCTTAGGAACC
TTAAACAAGTCGTCCTCCACACCTTTTCCTTTTAGAACTGGATTGACATCTGGGAACGTGACTGAAAACCTTACAA
ACTTACATTGATAAAAGTACACAAGTGCCTGGTGGAGAGAATTCTACCAAGCTTGATGAGTGTAAAGTTATGCCT
CAAAACCATTCTTTCTTGAAAATGATCTTAAAAATGCAATGGCCTCTTTCTTACCAAAGAAAGTAAGTGACAAC
TCAAAATATACCCAAGTCCGAGTTGCTGCCTTTTCTCCAGAATTTATGTAGTCAAGTTAATCATCTCCATGTGGGA
AATAAGACCGAGTGTGAGGAAAACATACCAAGCATGGTGAACGCATTCTTGGTGTGGGAATGGAAGAGCAATCT
ATTTGCTCCTACTTGGAAAAGATTCTTTCTAAAAATATGGAAGTATGGAAGAAAGAACTTATGGATTACATTGAT
CAGCGAATACATGAACTCCAGGAGCACATTGATGATAAGATTGCTTTGTTACTGGATTGCTGCAAAATCCTAAC
TCCCCGCCCACTGGGATACCTCTAAGACATTATGACTCTGGAGAAAGACTTTCAAATGGAGAAAGATAAGCTCTC
AACATAAACAGTGTACTGCAGATATTTATTACATATTTATTACAAAGCCAAAACCCAAAAATATTTATAAAAAGC
AAGTATTTAATGTCCTTTGAGGGATCATTGTCTTACACAAAGTGACCTCAGTTTTCGTTTTTACTACACTTGTTA
TTTTAAATCCAGTACTGTACACTGAGTTAATATGATACAGTCAAATTATTTTGTCTCAGATATTTTTCAGTCTT
ACAGAAATGTATGTATATTTGTGTTAAGAGTTTAAATGCTTGAGGATTCTAATACAGTTCATTAGTTTGATT
GTATATGTGTTTAAGTATAATTTTATTTATACAAAGATCTTATAGTCTTAGAAGTATGAAAATAATGCTTAAG
AGTATTTGATTTTTTCTTTTTCTAATTATCTTGAAAAATTGGATACTTAAGACTTGGAGCCTTTACTTCAGATT
ACCAATTTACATTTTGTATTGCTTGTGTGAGATAATGAATAAGATGTGATATTTGGCATGTGTAACTTAGTTCA
CTCTGGGGTTGTTAATATTATTTGTTTCATTACAGAGTAGCTGTAGGTAGGAAAGTAAACATCAGAACTAGCCTA
GTCCTTGTTACGATTAGTACTTTGGATTGATTTTTCTGTAAAACAGATGCAGTCATCTTGTTTGACCTCAGTA
ACCCAGACAGTTTAAGAAAACCTCTCCTTTTGAGCTGATACAGGTTTTTTCCCAGAATCCTTTTCTGGCATGT
TTATTGTATGAAATAATGAGGCTCTCCATGGAAGGATGAACACATATGAGTCAAGGGATTGCAATTCTCTCTGAT
AGACTTAGTTTTAGACCTTATAACTATTGTATATGCATTGAAGGGTGATATATTTGCATATAAAAAATAAACGCA
CTGCTCTGGG

3361/6881
FIGURE 3096

METRTEGGGLTRRPTLASSWDVAGGALTHSLLLTRAGLGPGDFDWEELLAPPAPGQDLVILKRNHNDKDENPCFL
YLRCGPDGGEEIASIGILSSARNMEVYLGEYCGTSRGKNVCTVLDSEHEKIILYKKNLKLESSTHACKIKLLS
FGERQCVFISKVVVHMRSVFANSSTSSPALGSRIDLDKVQTIMESMGSKLSPGAQQLMDMVRCQQRNCIPIGEQL
QSVLGNSGYKHMIGLQSSSTLGTLNKSSSTPFPFRTGLTSGNVTENLQTYIDKSTQLPGENSTKLDECKVMPQN
HSFLENDLKAMASFLPKKVDNSNIPNSELLPFLQNLCSQVNLHVGNKTECQENITKHGERILGVGMEEQSIC
SYLEKILSKNMELMEKKLMDYIDQRIHELQEHIDDKIALLLDLLQNPNSPPTGIPLRHYDSGERLSNGER

3362/6881
FIGURE 3097

GTGAGCGGCAACATGGCGTCCAGGTCTAAGCGGCGTGCCGTGGAAAGTGGGGTTCCGCAGCCGCCGGATCCCCCA
GTCCAGCGCGACGAGGAAGAGGAAAAAGAAGTCGAAAATGAGGATGAAGACGATGATGACAGTGACAAGGAAAAG
GATGAAGAGGACGAGGTTCATTGACGAGGAAGTGAATATTGAATTTGAAGCTTATTCCTATCAGATAATGATTAT
GACGGAATTAAGAAATTACTGCAGCAGCTTTTTCTAAAGGCTCCTGTGAACACTGCAGAACTAACAGATCTCTTA
ATTCAACAGAACCATATTGGGAGTGTGATTAAGCAAACGGATGTTTCAGAAGACAGCAATGATGATATGGATGAA
GATGAGGTTTTTGGTTTCATAAGCCTTTTAAATTTAACTGAAAGAAAGGGTACCCAGTGTGTTGAACAAATTCAA
GAGTTGGTTCTACGCTTCTGTGAGAAGAACTGTGAAAAGAGCATGGTTGAACAGCTGGACAAGTTTTTAAATGAC
ACCACCAAGCCTGTGGGCCTTCTCCTAAGTGAAGATTCAATTAATGTCCCTCCACAGATCGCTCTGCCCATGTAC
CAGCAGCTTCAGAAAGAACTGGCGGGGGCACACAGAACCAATAAGCCATGTGGGAAGTGCTACTTTTACCTTCTG
ATTAGTAAGACATTTGTGGAAGCAGGAAAAACAATTCCAAAAAGAAACCTAGCAACAAAAAGAAAGCTGCGTTA
ATGTTTGCAAATGCAGAGGAAGAATTTTTCTATGAGGAGCAGGGAAAACCTGAGGTGCTTGGAGGTCCAGACACA
AGAAGAGGATTGGAACCAAGTCCGATACAGCACAAATGGTGGTTACGGGGGCAAGTGACAGCCCTGGTTTCTCTG
AAGGCTGGACTAATTCAATCAAGATCAACTCTAAGTGATTTCCAGGGAACCTTCATGACTGTTGGAATTGCTCTG
TCATATAAGTCAGGGATATTTAGGAGGCTCATAGTCTCCTGGAGGGATAAAACATCTCGGCACCTAGTAATGGT
AAATTAGTCAATATTTGTTAGTTTCGTTTGAGATCTCAAATGTTAGGATTTTCTGAAGTCTCAGTGTCTTTCAGA
GTTTGAGATACCTTGTTTTCATTTTTTCTAATTTTTAATTTAAAGTAATAAAGAATATTTTGTAAATGATTAGGA
TGAAAAATTTATCGTCAATTATAAGCCAAAATTTGCTAAAATTAAAGTCAGTATACTTGGAATAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAA

3363/6881
FIGURE 3098

MASRSKRRAVESGVPQPPDPPVQRDEEEEKEVENEDDDDDSDKEKDEEDEVIDEEVNIEFEAYSLSDNDYDGIK
KLLQQFLKAPVNTAELTDLLIQQNHIGSVIKQTDVSEDSNDDMDEDEVFGFISLLNLTERKGTQCVEQIQELVL
RFCEKNCEKSMVEQLDKFLNDTTKPVGLLLSERFINVPPQIALPMYQQQLQKELAGAHRTNKPCGKCYFYLLISKI
FVEAGKNNSKKKPSNKKKAALMFANAEEEEFFYEEQGKPEVLGGPDTRRGLEPVPIQHNGGSRGQVTALVSLKAGL
IQSRSTLSDFQGTFTVGIALS

3364/6881
FIGURE 3099

GCGGAGCGAGCCCTGAAAGGCTATAGGCGAGGGGGCGGCTCCGCGGGGCCGGGCGAGGAGTCCAGAGAGCC**ATGG**
CCGCCCTGCGTGTCTCTGCTGTCTGCGCCCCGCGGCCCGCTGAGGCCCGGTTGCTGTCCCGCCTGGCGTCCCT
TCGCCTCGGGTGCTAACTTTGAGTACATCATCGCAGAAAAAGAGGGAAGAATAACACCGTGGGGTTGATCCAAC
TGAACCGCCCCAAGGCCCTCAATGCACTTTGCATGGCCTGATTGACGAGCTCAACCAGGCCCTGAAGATCTTCG
AGGAGGACCCGGCCGTGGGGGCCATTGTCTCACCGGCGGGGATAAGGCCTTTGCAGCTGGAGCTGATATCAAGG
AAATGCAGAACCTGAGTTTCCAGGACTGTTACTCCAGCAAGTTCTTGAAGCACTGGGACCACCTCACCCAGGTCA
AGAAGCCAGTCATCGCTGCTGTCAATGGCTATGCCTTTGGCGGGGGCTGTGAGCTTGCCATGATGTGTGATATCA
TCTATGCCGGTGAGAAGGCCAGTTTGCACAGCCGGAGATCTTAATAGGAACCATCCCAGGTGCGGGCGGCACCC
AGAGACTCACCCGTGCTGTTGGGAAGTCGCTGGCGATGGAGATGGTCTCACCGGTGACCGGATCTCAGCCCAGG
ACGCCAAGCAAGCAGGTCTTGTCAGCAAGATTTGTCTGTTGAGACACTGGTGGAAGAAGCCATCCAGTGTGCAG
AAAAAATTGCCAGCAATTCTAAAATTGTAGTAGCGATGGCCAAAGAATCAGTGAATGCAGCTTTTGAAATGACAT
TAACAGAAGGAAGTAAGTTGGAGAAGAACTCTTTTATTCAACCTTTGCCACTGATGACCGAAAGAAGGGATGA
CCGCGTTTGTGGAAGAGAAAGGCCAACTTCAAAGACCAG**TGAGA**ACCAGCTGCCCCCTGCTTCACACCTCTGCT
TGGAGAGGACAAGTGCAGCCTGTCAGTTTTAGAAGCAAGTAAATCATCTCTTTTCAAGAGCAGTGTCGGTGGTG
TGCAGTTCTCTCCAATTGCTGCGTGGTCTGCGGGGACCTCTCACGGCATGACAGCCTTCGTCACCCAGCCTGT
GAGGGTCCTGACTGGAGCACCTTCTAAATCTAAGATTCTGCTGAGGAGCCCCGCTGGTCCCTCTGGGCATGCTG
TGCTCGGACGGAAGCGGGGCTGCGGGTCCTTGTGTCCCTGCCGCTGAAGAATGGGGCTGCTCTGAGGGAAACG
CTGTCTGCTGCCTTCATACAGATGCTGATTAAAGTGATAGCGATTGAGATT

3365/6881
FIGURE 3100

MAALRVLLSCARGPLRPPVRCPAWRPFASGANFEYIIAEKRGKNNTVGLIQLNRPKALNALCDGLIDELNQALKI
FEEDPAVGAIIVLTGGDKAFAAGADIKEMQNLSFQDCYSSKFLKHWDHLTQVKKPVIAAVNGYAFGGGCELAMMCD
IIYAGEKAQFAQPEILIGTIPGAGGTQRLTRAVGKSLAMEMVLTGDRISAQDAKQAGLVSKICPVETLVEEAIQC
AEKIASNSKIVVAMAKESVNAAFEMTLTEGSKLEKKLFYSTFATDDRKEGMTAFVEKRKANFKDQ

3366/6881
FIGURE 3101

GGCGGAAGTGGCTCCGGGACTGCGGAGAACATATTGTGATGTTTCGTGCCTCAGAGCTAAAACTATGAGTGAATTT
CGGATTACCATGACGTCAATGAACTGCTTAGCCTGCTGCGTGTCCACGGAGGAGATGGGGCTGAGGTCTACATT
GACCTGCTTCAAAAAGAACAGGAÇCCCGTACGTCACTACCACTGTCTCTGCTCACAGTGCCAAGGTTAAAATTGCA
GAGTTTTCTCGTACTCCAGAAGACTTTCTAAAGAAATATGATGAACTGAAATCTAAAAATACAAGGAACCTTGAC
CCGCTGGTGTACCTGTTGTCAAAGCTCACGGAAGACAAAGAGACTCTGCAGTACTTACAACAGAATGCAAAAAGAA
AGAGCTGAGCTTGACGCCGCTGCTGTGGGCAGCAGTACCACCAGCATCAACGTCCCTGCCGCGGCCCTCCAAGATC
TCCATGCAGGAGCTTGAGGAAGTGAAGGAGCTTGGCAGCGTGGCCACAGGCTCCACGCTGCAGCAGTCTCTG
GAACTTAAAAGAAAGATGCTTCGAGACAAGCAGAACAAAAAATTCAGGCCAGCACCTCCCCATCTTCCCAGCA
TGGGTGTATGAGAGACCTGCCCTGATCGGGGATTTCTTGATTGGTGTGGCATCAGCACAGACACCGCTTTGCCG
ATAGGCACGTTGCCCTGGCCTCGCAGGAGTCGGCCGTGGTGGAGGACCTGCTGTACGTGCTGGTGGGCGTGGAC
GGGAGGTACGTGAGTGTGAGCCCCGGCTGGGAGGCAGAGCCGGACCTTCTCGTGGACCCCAACCTGGACCTG
TCCATCAGGGAGCTGGTGCACAGGATCCTCCAGTGGCCGCCAGCTACTCCGCTGTGACCAGGTTCAATTGAAGAG
AAGTCTTCTTCGAGTACGGGCAGGTGAACCACGCCCTGGCGGCCGCCATGCGCACCTGGTGAAGGAGCACCTG
ATTCTGGTGTACAGCTGGAGCAGCTGCACAGGCAGGGCCTCCTTTCGCTGCAGAAGCTCTGGTTCTACATCCAG
CCAGCCATGCGCACCATGGACATCCTGGCCTCCCTCGCCACCTCGGTGGACAAAGGCGAATGTCTTGGGGGGTCC
ACGCTGAGCCTGCTCCACGACAGGAGCTTCAGCTACACAGGGGACAGCCAGGCGCAGGAGCTATGCCTGTACCTA
ACCAAGGCGGCCAGTGCTCCCTACTTTCGAGGTTCTGGAGAAGTGGATCTACAGGGGCATCATCCACGACCCATAC
AGTGAGTTTATGGTTCGAGGAGCACGAGCTGCGGAAGGAGAGGATCCAGGAGGATTACAACGACAAGTACTGGGAC
CAGCGGTACACCATCGTCCAGCAGCAGATCCCGTCTTCTGTCAGAAAATGGCGGACAAGATCCTCAGCACAGGA
AAATATCTAAATGTGGTCAGAGAGTGTGGCCATGACGTACCTGCCCGGTGGCTAAAGAGATCATCTACACGTTA
AAAGAGCGGGCGTATGTGGAGCAGATCGAGAAGGCGTTTAACTACGCCAGCAAGGTGCTGCTGGACTTCTTGATG
GAGGAGAAGGAGCTGGTGGCTCACCTCAGGTCCATCAAGCGCTACTTCTCATGGACCAGGGCGACTTCTTCGTG
CACTTCATGGACCTCGCGGAGGAGGAGCTCCGGAAGCCGGTGGAGGACATCACGCCCCCTCGCCTGGAAGCGCTC
CTGGAGCTGGCGCTGCGCATGAGCACGGCCAACACTGACCCCTTCAAGGACGACCTCAAGATCGACCTGATGCCC
CATGACCTCATCACTCAGCTCTTGCGCGTCTTGCCATCGAGACCAAGCAGGAGAAGGCGATGGCGCACGCCGAC
CCCACGGAGCTGGCGCTGAGCGGCCCTGGAGGCCCTTCTTTTCGACTACATÇGTCAAGTGGCCCTTTTCGCTCATC
ATCAACAGGAAAGCCCTCACTCGCTACCAGATGCTCTTCAGGCACATGTTCTATTGCAAGCACGTGGAGCGGCAG
CTCTGCAGCGTCTGGATCAGCAACAAAACCGCCAAGCAGCACTCGCTGCACTCCGCCAGTGGTTTTGCTGGGGCT
TTCACTCTGCGGCAGCGAATGCTCAACTTCGTCCAGAATATTCAATACTACATGATGTTTGAAGTGATGGAACCG
ACCTGGCACATCCTGGAGAAAAACCTGAAATCCGCCTCCAACATTGACGACGTCTTGGCCACCACACAGGCTTC
CTGGACACCTGCCTGAAGGACTGCATGCTACCAACCCCGAGCTGCTGAAGGTCTTCTCCAAGCTCATGTCTGTG
TGCGTCAITTCACCAACTGCATGCAGAAATTTACACAGAGCATGAAATTAGATGGCGAGCTGGGCGGGCAGACG
CTGGAGCACAGCACCGTCTTGGGGCTGCCCCGAGGGGCCGAGGAGCGGGCCCGGAAGGAGCTCGCCAGGAAGCAC
CTGGCTGAGCACGCAGACACTGTGCAGCTGGTGTCCGGCTTCGAGGCCACCATCAACAAGTTTGACAAGAATTC
TCAGCCCACCTGCTGGACCTCCTGGCCCGGTGAGCATCTATAGCACCAGTGACTGTGAGCACGGCATGGCCAGC
GTCATCTCCAGGCTTGACTTCAATGGTTTCTACACGGAGCGCTGGAGCGCCTGTCTGCAGAGAGGAGCCAGAAG
GCCACCCCCAAGTGCCTGTCTGCGGGGGCCCCCGGCTCCTGCACCCAGGCTCGCAGTCACCGCACAGTGAGCC
CTGGCTGTGACAGGAAGGAAGGTGTGGGGTCAGCAGGGACTGGTGCAAATGGGTCCAGAATTTTCAAATC

3367/6881
FIGURE 3102

MSEFRIHHDVNELLSLLRVHGGDGAEVYIDLLQKNRTPYVTTTSAHSKVKIAEFSRTPEDFLKKYDELKSKNT
RNLDPLVYLLSKLTEDKETLQYLQONAKERAELAAAAGVSSSTTSINVPAAASKISMQELEELRKQLGSGVATGSTL
QQSLELKRKMLRDKQNKKNQHLPIFPWVYERPALIGDFLIGAGISTDTALFIGTLPLASQESAVVEDLLYVL
VGVDGRYVSAQPLAGRQSRFTLVDPNLDLSIRELVHRILPVAASYSVTRFIEEKSSFYEQVNHAAAMRTL
KEHLILVSQLEQLHRQGLLSLQKLWFIYIQAAMRTMDILASLATSVDKGECLGGSTLSLLHDSFSYTGDSQAQEL
CLYLTKAASAPYFEVLEKWIYRGIHDPYSEFMVEEHRLRERIQEDYNDKYWDQRYTIVQQQIPSFQKMDKI
LSTGKYLNVRVRECGHDVTCVAKI IYTLKERAYVEQIEKAFNYASKVLLDFLMEEKELVAHLRSIKRYFLMDQG
DFFVHFMDLAEELRKPVEDITPPRLEALLELALRMSTANTDFKDDLKIDLMPHDLITQLLRVLAIETKQEKAM
AHADPTLALSGLEAFSFDYIVKWPLSLI INRKALTRYQMLFRHMFYCKHVERQLCSVWISNKTAKQHSLSAQW
FAGFTLRQRLNLFVQNIQYYMMFEVMEPTWHILEKNLKSASNIDDLGHHTGFLDTCLKDCMLTNPELLKVFSK
LMSVCMFTNCMQKFTQSMKLDGELGGQTLHSTVLGLPAGAEERARKELARKHLAEHADTVQLVSGFEATINKF
DKNFSAHLLDLLARLSIYSTSDCEHGMAVISRLDFNGFYTERLERLSAERSQKATPQVPVLRGPPAPAPRVAVT
AQ

3368/6881
FIGURE 3103

GACCCGGCCATGCGCGCCTCGGGCTCTGGCTGCTGGGCGCGATGATGCTGCCTGCGATTGCCCCAGCCGGCCC
TGGGCCCTCATGGAGCAGTATGAGGTCTGTGTGCCGTGGCGTCTGCCAGGCCCGAGTCCGCCGAGCTCTGCCC
TCCCACCTTGGGCCTGCACCCAGAGAGGGTGAGCTACGTCTTGGGGCCACAGGGCACAACCTTCACCTCCACCTG
CGGAAGAACAGGGACCTGCTGGGCTCCGGCTACACAGAGACCTATACGGCTGCCAATGGCTCCGAGGTGACGGAG
CAGCCTCGCGGGCAGGACCCTGCTTCTACCAGGGCCACGTAGAGGGGTACCCGGACTCAGCCGCCAGCCTCAGC
ACCTGTGCGGGCCTCAGGGGTTTCTTCCAGGTGGGGTCAGACCTGCACCTGATCGAGCCCTGGATGAAGGTGGC
GAGGGCGGACGGCACGCCGTGTACCAGGCTGAGCACCTGCTGCAGACGGCCGGGACCTGCGGGGTGACGACGAC
AGCCTGGGCAGCCTCCTGGGACCCCGACGGCAGCCGTCTTCAGGCCTCGGCCCGGGGACTCTCTGCCATCCCCGA
GAGACCCGCTACGTGGAGCTGTATGTGGTCTGTGGACAATGCAGAGTTCCAGATGCTGGGGAGCGAAGCAGCCGTG
CGTCATCGGGTGCTGGAGGTGGTGAATCACGTGGACAAGCTATATCAGAACTCAACTTCCGTGTGGTCTCTGGTG
GGCCTGGAGATTTGGAATAGTCAGGACAGGTTCCACGTACGCCCCGACCCAGTGTACACTGGAGAACCTCCTG
ACCTGGCAGGCACGGCAACGGACACGGCGGCACCTGCATGACAACGTACAGCTCATCAGGGGTGTCGACTTCACC
GGGACTACCGTGGGGTTTGCCAGGGTGTCCGCCATGTGCTCCACAGCTCAGGGGCTGTGAACCAGGACCACAGC
AAGAACCCCGTGGGCGTGGCCTGTACCATGGCCCATGAGATGGGCCACAACCTGGGCATGGACCATGATGAGAAC
GTCCAGGGCTGCCGCTGCCAGGAACGCTTCGAGGCGGGCGCTGCATCATGGCGGGCAGCATTGGCTCCAGTTTC
CCCAGGATGTTTCACTGACTGCAGCCAGGCCCTACCTGGAGAGCTTTTTGGAGCGGCCGAGTCGGTGTGCTCGCC
AACGCCCCCTGACCTCAGCCACCTGGTGGGCGGGCCCGTGTGTGGGAACCTGTTTGTGGAGCGTGGGGAGCAGTGC
GACTGCGGGCCCCCGAGGACTGCCGGAACCGCTGCTGCAACTCTACCACCTGCCAGCTGGCTGAGGGGGCCAG
TGTGCGCACGGTACCTGCTGCCAGGAGTGCAAGGTGAAGCCGGCTGGTGAGCTGTGCCGTCCCAAGAAGGACATG
TGTGACCTCGAGGAGTTCTGTGACGGCCGGCACCCCTGAGTGCCCGGAAGACGCCTTCAGGAGAACGGCACGCCC
TGCTCCGGGGGCTACTGCTACAACGGGGCCTGTCCACACTGGCCAGCAGTGCCAGGCCTTCTGGGGGCCAGGT
GGGCAGGCTGCCGAGGAGTCTGCTTCTCCTATGACATCCTACCAGGCTGCAAGGCCAGCCGGTACAGGGCTGAC
ATGTGTGGCGTTTCTGCAGTGCAAGGGTGGGCAGCAGCCCTGGGGCGTGCCATCTGCATCGTGGATGTGTGCCAC
GCGCTCACCACAGAGGATGGCACTGCGTATGAACAGTGCCCGAGGGCACC CGGTGTGGACCAGAGAAGGTTTGC
TGGAAAGGACGTTGCCAGGACTTACAGTTTACAGATCCAGCAACTGCTCTGCCAGTGCCACAACCATGGGGTG
TGCAACCACAAGCAGGAGTGCCACTGCCACGCGGGCTGGGCCCCGCCCCACTGCGCGAAGCTGCTGACTGAGGTG
CACGCAGCGTCCGGGAGCCTCCCCGTCTTCGTGGTGGTGGTTCTGGTGCTCCTGGCAGTTGTGCTGGTCACCCTG
GCAGGCATCATCGTCTACCGCAAAGCCCGAGCCGCATCCTGAGCAGGAACGTGGCTCCCAAGACCACAATGGGG
CGCTCCAACCCCTGTTCCACCAGGCTGCCAGCCGCGTGGCGGCCAAGGGCGGGGCTCCAGCCCCATCCAGGGGC
CCCCAAGAGCTGGTCCCCACCACCCACCCGGGCCAGCCGCCCCGACACCCGGCCTCCTCGGTGGCTCTGAAGAGG
CCGCCCCCTGCTCCTCCGGTCACTGTGTCCAGCCACCCTTCCAGTTCTGTCTACACCCGGCAGGCACCAAAG
CAGGTCAACAAGCCAACGTTGCAACCCCAAGTGCACCCCAAGTCAAACCCGGGGCTGGTGCGGCCAACCTGGTCCA
GCTGAGGGTGCTGTTGGCCCAAAGGTTGCCCTGAAGCCCCCATCCAGAGGAAGCAAGGAGCCGAGCTCCACAG
CACCTAGGGGGGCACCTGCGCCTGTGTGGAAATTTGGAGAAGTTGCGGCAGAGAAGCCATGCGTTCCAGCATTC
CACGGTCCAGCTAGTGCCGCTCAGCCCTAGACCTGACTTTGCAGGCTCAGCTGCTGTTCTAACCTCAGGAATGC
ATCTACCTGAGAGGCTCCTGCTGTCCACGCCCTCAGCCAATTCCTTCTCCCGCCTTGGCCACGTGTAGCCCCAG
CTGTCTGCAGGCACAGGCTGGGATGAGCTGTGTGCTTGCGGGTGCGTGTGTGTGTACGTGTCTCCAGGTGGCCG
CTGGTCTCCCGCTGTGTTTCAAGAGGCCACATATACAGCCCTCCAGCCACACCTGCCCCCTGCTCTGGGGCCTGC
TGAGCCGGCTGCCCTGGGCACCCGGTTCCAGGCAGCACAGACGTGGGGCATCCCCAGAAAGACTCCATCCCAGGA
CCAGGTTCCCCTGCGTGTCTTCGAGAGGGTGTCAGTGAGCAGACTGCACCCCAAGCTCCCGACTCCAGGTCCCC
TGATCTTGGGGCCTGTTTCCCATGGGATTCAAGAGGGACAGCCCCAGCTTTGTGTGTGTTTAAAGCTTAGGAATCG
CCTTTATGGAAAGGGCTATGTGGGAGAGTCAGCTATCTTGTCTGGTTTTTCTTGAGACCTCAGATGTGTGTTTACG
AGGGCTGAAAGCTTTTATTCTTTAATAATGAGAAATGTATATTTTACTAATAAATTATTGACCGAGTTCTGTAGA
TTCTTGTTAGA

3369/6881
FIGURE 3104

ATGGGCCAGAA TGTTGCAGATTACATGTGCTACTTAATGCAAGAAGATGAAGATGCTTACAAGAAACAGTTCTCT
CAATACATAAAAGAACAGCGTAACTCCAGACATGAGAGATAAGAAAGCTCATGCTGCTCTACAAGAGAATCCAGGC
TATGAGAAGAAGCCCAAGAAAGAAGTTCGAAAGAAGAGGCAAAACCGTCCCAAAATGGCCTTTGCTCAGAAGAAA
GTTCGGGTAGCTCAAAGAAGGCAAGCTTCCTTGGAGCTCAGGAGCTGCTGA

3370/6881
FIGURE 3105

MGQNVADYMCYLMQEDEDAYKKQFSQYIKNSVTPDMRDKKAHAALQENPGYEKKPKKEVRKKRQNRPKMAFAQKK
VRVAQRRQASLELRSC

3371/6881
FIGURE 3106

TCTAATACCTATTGATCTGTTACTTTCTCCCATCACGCTCAGGTGGGACCATCCAGTTGCAGGAAAACAAGCTTA
ACACGCCCCACTGATTCTACATTATGGTGAGTTCTATGATTATTTTATTATATATTACAGTGTAATAATGGAAATA
AAGTGCCTAATAAATGCAAATGTGCTTACATCTTTTGGCCCAGCTCCTACCTCCCGGCAGCCTCTCCAGGCCCAG
AACTTTCTCCAGTCAGCCTCTACAGACCAAGATCATGACTCACAATGGCCTATTTAGGCCCATAACCCTACGTCAC
GGCAGCCTCCACAGATGAGGCTACTGCCTCACAACAGCCTCCACAGGCACAGCTCCATCGTTACAATGGCCTCTT
TAGACCCAGCTCCTGCCTCCCAGCCTTCTCTCCAGGCCCTGAACTTTCTCAAGTCGACCTCACCAGGCCCAGGTC
ATGCTTCTTTGCAGCCTCTCCAGGCCAGCTCCTGCATCTTGGTGGCCCCCTCCAGGCCAGCCTCTGCCTCCCGT
CAGCCTCTACAGTCCCAACGTCTGCCTCACAGCAGATTCTTCAGCCCCAGCATCTACCTCACTTGGACCCTCCAG
ACCCAGATGGTGTCTCACTGTGGCATCCTCAGGCGAAGCTCCTGCCTTTTGGCAGCCTCTCCAGGCCAGCTCCT
CCTGCCTCCCAGTGGCCTCTTTTCGGCCCAGCCCAGCTCATGCCTCCCGCGGCCTTCCCAAGCCCCGCTTTTGAC
TTTCGGTGGCCTCTGCAGGCCTCGACAAGGCCAGCCTCCTGCCTCCCGAAGGCCTGCACAGGCCAGCCTCTGC
CTCACAGCGGACTCTC

3372/6881
FIGURE 3107

CGGCCGCCCCCGCGACTGCGCCACGTCTGAGGCGGCTGTGGCCACGTCTGAGGCGGCTGTGGCCGCGTCGGTGTCTC
CGCGTCGAGGAGCCGGGGCAGGGCACGATGGCGGACTGGGCTCGGGCTCAGAGCCCGGGCGCTGTGGAAGAGATT
CTAGACCGGGAGAACAAGCGAATGGCTGACAGCCTGGCCTCCAAAGTCACCAGGCTCAAATCGCTCGCCCTGGAC
ATCGATAGGGATGCAGAGGATCAGAACCGGTACCTGGATGGCATGGACTCGGATTTCAACAAGCATGACCAGCCTG
CTTACAGGGAGCGTGAAGCGCTTTTCCACAATGGCAAGGTCCGGACAAGACAACCGGAAGCTTCTATGTGGCATG
GCCGTGGGTCTAATTGTGGCCTTCTTCATCCTCTCCTACTTCTTGTCCAGGGCAAGGACGTGAGCCAGTGGGAGC
TGGTGTCTGTGGGTGCCAAGGGCAGCCAGCGGTCTTCCCTGCCTGGTGTTTGGGCTCCACAGGACTTACCTACA
AAATACTCCTTTGCAATGAT

3373/6881
FIGURE 3108

MADWARAQSPGAVEEILDRENKRMADSLASKVTRLKSLALDIDRDAEDQNRYL DGMDSDFTSMTSLITGSKRFS
TMARSGQDNRKLLCGMAVGLIVAFFILSYFLSRART

CGGGGCGGCGGAACACTGCGGGCCGGAACGGCTGAGGAAGGGGCCGCTCCGCCCTTCCCGGGCGCGCCATGGAGCCCC
GGGCGGTTGCGAGAAGCCGTGGAGACGGGTGAGGAGGATGTGATTATGAGAGCTCTCGGTCATACAACCAGGAGC
ACTCCAGAGCTTCACGTTTGATGATGCCAACAGGAGGACCGGAAGAGACTGGCGGAGCTGCTGGTCTCCGTCC
TGGAACAGGGCTTGCCACCCCTCCACCGTGTCTATCTGGCTGCAGAGTGTCCGAATCCTGTCCGGGACCGCAACT
GCCTGGACCCGTTACCAGCCGCCAGAGCCTGCAGGCACTAGCCTGCTATGCTGACATCTGTCTCTGAGGGGT
CCGTCCCAGAGTCCGCAGACATGGATGTTGTACTGGAGTCCCTCAAGTGCCGTGTGCAACCTCGTGCTCAGAGCC
CTGTGGCACAGATGCTGGCAGCAGAGGCCCGCCTAGTGGTGAAGCTCACAGAGCGTGTGGGGCTGTACCGTGAGA
GGAGCTTCCCCACGATGTCCAGTTCTTTGACTTGGCGCTCCTCTTCCTGCTAACGGCACTCCGCACCGATGTGC
GCCAGCAGCTGTTTCAGGAGCTGAAAGGAGTGCCTGCTAACTGACACACTGGAGCTGACGCTGGGGGTGACTC
CTGAAGGGAACCCCCACCCACGCTCCTTCCCTTCCCAAGAGACTGAGCGGGCCATGGAGATCCTCAAAGTGCTCT
TCAACATCACCCCTGGACTCCATCAAGGGGGAGGTGGACGAGGAAGACGCTGCCCTTACCAGACCTTGGGGACCC
TTCTCCGGCACTGTGTGATGATCGCTACTGCTGGAGACCGCACAGAGGAGTTCCACGGCCACGCAGTGAACCTCC
TGGGGAACCTGCCCCCTCAAGTGCTGTGGATGTTCTCCTCACCCCTGGAGCCACATGGAGACTCCACGGAGTTCATGG
GAGTGAATATGGATGTGATTCTGTGCCCTCCTCATCTTCCCTAGAGAAGCGTTTGCAACAAGACACAGGCTGAAGG
AGAGTGTAGCTCCCGTGTGAGCGTGTCTGACTGAATGTGCCCGGATGCACCGCCAGCCAGGAAGTTCTTGAAGG
CCCAGGTGCTGCCCCCTCTGCGGGATGTGAGGACACGGCCTGAGGTTGGGGAGATGCTGCGGAACAAGCTTGTC
GCCTCATGACACACCTGGACACAGATGTGAAGAGGGTGGCTGCCGAGTTCCTTGTTTGCTCTGAGAGTG
TGCCCCGATTTCATCAAGTACACAGGCTATGGGAATGCTGCTGGCCTTCTGGCTGCCAGGGGCTCATGGCAGGAG
GCCGGCCCCGAGGGCCAGTACTCAGAGGATGAGGACACAGACACAGATGAGTACAAGGAAGCCAAAGCCAGCATAA
ACCTGTGACCGGGGAGGGTGGAGGAGAAGCCGCCTAACCCCTATGGAGGGCATGACAGAGGAGCAGAAGGAGCACC
AGGCCATGAAGCTGGTGACCATGTTTGACAAGCTCTCCAGGAACAGAGTCATCCAGCCAATGGGGATGAGTCCCC
GGGGTCATCTTACGTCCCTGCAGGATGCCATGTGCGAGACTATGGAGCAGCAGCTCTCCTCGGACCTGACTCCG
ACCTGACTGAGGATGGCAGCTCTTCTGCTCCCCCATCAGGACTGGTGCTGCTTCCAGAGACTTCTTGGGGTTG
CAACCTCGGGGAAGCCACATCCCACTGGATCCACACCCGCCCCCACTTCTCCATCTTAGAAACCCCTTCTCTTGAC
TCCCGTTCTGTTCATGATTGCTCTGGTCCAGTTTCTCATCTCTGGACTGCAACGGTCTTCTTGTGCTAGAACT
CAGGCTCAGCCTCGAATTCCACAGACGAAGTACTTTCTTTTGTCTGCGCCAAGAGGAATGTGTTCAGAAGCTGCT
GCCTGAGGGCAGGGCCTACCTGGGCACACAGAAGAGCATATGGGAGGGCAGGGGTTTGGGTGTGGGTGCACACAA
AGCAAGCACCATCTGGGATTGGCACACTGGCAGAGCCAGTGTGTTGGGGTATGTGCTGCACTTCCAGGGAGAAA
ACCTGTCAGAACTTTCCATACGAGTATATCAGAACACACCCTTCCAAGGTATGTATGCTCTGTTGTTCTCTGCTCT
GTCTTCACTGAGCGCAGGGCTGGAGGCCTCTTAGACATTCTCCTTGGTCTCGTTTCACTGCCCCACTGTAGTATC
CACAGTGGCCGAGTTCTCGCTGGTTTTTGGCAATTAAACCTCCTTCTACTGGTTTAGACTACACTTACAACAAGG
AAAAATGCCCTCGTGTGACCATAGATTGAGATTTATACCACATACCACACATAGCCACAGAAACATCATCTTGAA
ATAAAGAAGAGTTTTTGGACAAAAA

3375/6881
FIGURE 3110

MEPRAVAEAVETGEEDVIMEALRSYNQEHSQSFTFDDAQQEDRKRLAELLVSVLEQGLPPSHRVIWLQSVRILSR
DRNCLDPFTSRQSLQALACYADISVSEGSVPESADMDVVLESCLKCLCNLVLSPPVAQMLAAEARLVVKLTERVGL
YRERSFPHDVQFFDLRLFLLTALRTDVRQQLFQELKGVRLTDTLELTIGVTPEGNPPPTLLPSQETERAMEIL
KVLFNITLDSIKGEVDEEDAALYRHLGTLLRHCVMIATAGDRTEEFHGHAVNLLGNLPLKCLDVLLTLEPHGDST
EFMGVNMDVIRALLIFLEKRLHKTHRLKESVAPVLSVLTECARMHRPARKFLKAQVLPPPLRDVTRPEVGEMLRN
KLVRLMTHLDTDVKRVAAEFLFVLCSESVPRFIKYTGYGNAAGLLAARGLMAGGRPEGQYSEDEDTDDEYKEAK
ASINPVTGRVEEKPPNPMEGMTEEQKEHEAMKLVTMFDKLSRNRV IQPMGMSPRGHLTSLQDAMCETMEQQLSSD
PDSDPD

3376/6881
FIGURE 3111

TTTCCGGCAGCCATCCCCGCGGTGCTGACATCCCGGTTGTTCTTCTGTGCCGGGGGTCCTCCTGCTGTCATGAAG
GACGTACCGGGCTTCCTACAGCAGAGCCAGAGCTCCGGGCCCGGGCAGCCCGCTGTGTGGCACCGTCTGGAGGAG
CTCTACACGAAGAAGTTGTGGCATCAGCTGACACTTCAGGTGCTTGATTTTGTGCAGGATCCGTGCTTTGCCCAA
GGAGATGGTCTCATTAAGCTTTATGAAAACCTTTATCAGTGAATTTGAACACAGGGTGAATCCTCTGTCCCTCGTG
GAAATCATTCTTCACGTAGTTAGACAGATGACTGATCCTAATGTGGCTCTTACTTTTCTGGAAAAGACTCGTGAG
AAGGTGAAAAGTAGTGATGAGGCAGTGATCCTGTGTAAAACAGCAATTGGAGCTCTAAAATTAAACATCGGGGAC
CTACAGGTTACAAAGGAAACAATTGAAGATGTTGAAGAAATGCTCAACAACCTTCCTGGTGTGACATCGGTTTAC
AGTCGTTTCTATGATCTCTCCAGTAAATACTATCAAACAATCGGAAACCACGCGTCCTACTACAAAGATGCTCTG
CGGTTTTTGGGCTGTGTTGACATCAAGGATCTACCAGTGTCTGAGCAGCAGGAGAGAGCCTTCACGCTGGGGCTA
GCAGGACTTCTCGGCGAGGGAGTTTTTAACTTTGGGAGAACTCCTCATGCACCCTGTGCTGGAGTCCCTGAGGAAT
ACTGACCGGCAGTGGCTGATTGACACCCTCTATGCCTTCAACAGTGGCAACGTAGAGCGGTTCCAGACTCTGAAG
ACTGCCTGGGGCCAGCAGCCTGATTAGCAGCTAATGAAGCCAGCTTCTGAGGAAAATTCAGTTGTTGTGCCCTC
ATGGAGATGACTTTCACACGACCTGCCAATCAGACAACTCACTTTTGAAGAAATTGCCAAAAGTGCTAAAATC
ACAGTGAATGAGGTGGAGCTTCTGGTGATGAAGGCCCTTTCGGTGGGGCTGGTGAAAGGCAGTATAGACGAGGTG
GACAAACGAGTCCACATGACCTGGGTGCAGCCCCGAGTGTTGGATTTGCAACAGATCAAGGGAATGAAGGACCGC
CTGGAGTTCTGGTGCACGGATGTGAAGAGCATGGAGATGCTGGTGGAGCACCAGGCCCATGACATCCTCACCTAG

GGCCCCCTGGTTCCCCGTCGTGTCTCCTTTGACTCACCTGAGAGAGGCATTTGCAGCCAATGAAGCTGGCTGCTC
AGACGGTCGACATTGAATTTGGGTGGGGTTGGGATCCTGTCTGAAGTACAGACTGTCCCTGCTCTAAAAACAGG
ACTGTCCCTGATGGGAGCCAGGCCACAGGGAGGAGGCTTCTTTGTGGGTCTCTCCTGCAGAGGGTGGGGGTCTCA
GGGTCTTAGGTGATACGGGAGAGAAAGAACGTGCCAGGCAGGAGGCCCTGAAGTCTGTGTACTCCGAGGTGGA
TCTCCAICCCCATCCACCTGTACGGACATCTTTCCGTTGTGGTTTGAGAATGTTTCTATAATAAACCCCTCTGC
TTTGTT

3377/6881
FIGURE 3112

MKDVPGFLLQSSQSSGPGQPAVWHRLEELYTKKLWHQLTLQVLDVQDPCFAQGDGLIKLYENFISEFEHRVNPLS
LVEIILHVVRQMTDPNVALTFLEKTREKVKSSDEAVILCKTAIGALKLNIGDLQVTKETIEDVEEMLNNLPGVTS
VHSRFYDLSSKYYQTIGNHASYYKDALRFLGCVDIKDLPVSEQQERAFTLGLAGLLGEGVFNFGELLMHPVLES
RNTDRQWLIDTLYAFNSGNVERFQTLKTAWGQQPDLAANEAQLLRKIQLLCLMEMTFTTRPANHRQLTFEEIAKSA
KITVNEVELLMKALSVGLVKGSIDEVDKRVHMTWVQPRVLDLQQIKGMKDRLEFWCTDVKSMEMLVEHQAHDI
T

3378/6881
FIGURE 3113

CAACACAGGGGCAGTCTCCAGGACCTCCACACCATTAAACAAGATGAGCCTTGTGCTCCCTTGGGCTCTAGAGAGG
AAGCCCCCTCTGAGCCCTCAGCCCCCTCTTTCCTCCCTCTCCTAAAGTAATTTGATCCTCAGGAATTTGTTCTGCCC
TCATCTGGCCCTGGCCAGCTCTGCATTTGACAAATGCCAGGAAGAGGAAACTGTTGAGAAAACGGAACACTACTGGG
GAAAGGGAGGGGCTCACTGAGAACCATCCCGGTAACCCGACCGCCGCTGGTCACCATGAACCACATTGTGCAAACC
TTCTCTCCTGTCAACAGCGGCCAGCCTCCCAACTACGAGATGCTCAAGGAGGAGCAGGAAGTGGCTATGCTGGGG
GGGCCCCACAACCCTGCTCCCCCGACGTCCACCGTGATCCACATCCGCAGCGAGACCTCCGTGCCTGACCATGTC
GTCTGGTCCCTGTTCAACACCCTCTTCATGAACACCTGCTGCCTGGGCTTCATAGCATTTCGCCTACTCCGTGAAG
TCTAGGGACAGGAAGATGGTTGGCGACGTGACCGGGGCCAGGCCTATGCCTCCACCGCCAAGTGCCTGAACATC
TGGGCCCTGATTTTGGGCATCTTCATGACCATTCTGCTCGTCATCATCCCAGTGTTGGTTCGTCCAGGCCCAGCGA
TAGATCAGGAGGCATCATTGAGGCCAGGAGCTCTGCCCGTGACCTGTATCCCACGTACTCTATCTTCCATTCCCTC
GCCCTGCCCCCAGAGGCCAGGAGCTCTGCCCTTGACCTGTATTCCACTTACTCCACCTTCCATTCCCTCGCCCTGT
CCCCACAGCCGAGTCCTGCATCAGCCCTTTATCCTCACACGCTTTTCTACAATGGCATTCAATAAAGTGTATATG
TTTCT

3379/6881
FIGURE 3114

MNHIVQTFSPVNSGQPPNYEMLKEEQEVAMLGGPHPNPAPPTSTVIHIRSETSVDPDHVVWSLFNTLFMNTCCLGFI
AFAYSVKSRDRKMVGDTVGAQAYASTAKCLNIWALILGIFMTILLVIIPVLVVQAQR

3380/6881
FIGURE 3115

TTTAACACCCATAGTAGGCCTAAAAGCAGCCACCAATTAAGAAAGCCACAGCACGTACACCCACTCCAGGGATCT
GCCAGCACCCCTGTGGGGCCCAGACTACAGGCTGATCGCGGAGGCTTCGAGTGACCCGGGTGCTGAGGAGCGGGAA
GAGTTGCTGGGGCCCACTGCTCAGTGGAGCGTGGAGGACGAGGAGGAGGCCGTCCACGAGCAATGCCAGCATGAG
AGAGACAGGCAGCTTCAGGCCCAGGACGAGGAGGGAGGCGGCCATGTCCCCGAGCGGCCGAAGCAGGAGATGCTC
CTCAGCCTGAAGCCCTCGGAGGCCCTGAACTGGATGAGGACGAGGGCTTTGGCGACTGGTCCCAGAGGCCAGAG
CAGCGGCAGCAGCACGAGGGGGCGCAGGGCGCCTTGGACAGCGGAGAGCCCCCAGTGCAGGAGTCCCTGAGGGG
GAGCAAGAGGACAGGCCCGCCTGCATGCCTACGAAAAGGAGGACAGTGATGAAGTCCACCTGGAGGAGTTGAGT
CTGAGCAAGGAGGGGCCAGGCCCAGAGGACACTGTCCAGGACAACCTGGGGGCCGAGGGGCTGAGGAGGAACAG
GAGGAGCACCAAGAAATGTCAGCAGCCCAGGACACCCAGCCCCCTTGGTCTTGGAGGGGACCATCGAACAGAGCTCG
CCTCCCCCTGAGCCCTACCACCAAACCTCATCGACAGGACCGAGTCCCTAAACCGCTCCATAGAGAAGAGTAACAGT
GTGAAGAAATCCCAGCCAGACTTGCCCATCTCCAAGATTGATCAGTGGCTGGAACAATACACCCAGGCCATCGAG
ACCGCTGGCCGGACCCCCAAGCTAGCCCGCCAGGCCTCCATAGAGCTGCCAGCATGGCTGTGGCCAGTACCAAG
AGTCGGTGGGAGACGGGTGAGGTACAGGCTCAGTCTGCGGCCAAGACTCCGTCCTGCAAGGATATTGTGGCTGGA
GACATGAGCAAGAAAAGCCTCTGGGAGCAGAAGGGAGGCTCCAAGACCTCATCAACAATTAAGAGCACCCCATCT
GGGAAGAGGTATAAGTTTGTGGCCACCGGGCATGGGAAGTATGAGAAGGTGCTTGTGGAAGGGGGCCCGGCTCCC
TAGGCCTCCCATCTCGCTTCCTGGGTCTGCAGGTCCAGCCGGCTGGCACCTCCATGTACCCAGGGGAGATTCCA
GCCAGACACCCGCCCCCGGCCCTGGCTAAGAAGTTGCTTCCTGTTGCCAGCATGACCTACCTCGCCTCTTTGA
TGCCATCCGCTGCCACCTCCTTTTGCTCCTGGACCCTTTAGCCTCTCTGCCCTTCCACTCTCTGACCACCGCCCC
CGCCCTCCCCACCCAGCTCCGCTTCTTGTTACTTGGGGGAGGAAAGAACTCCTGATCATTGGCCAAAGGGACTT
ACCCCTGGAGAGGCCAAGTGCCTTCTAGGAAGTTAGGAGGTTGAGGCACAGCCTGTGCAGAGAGGGTGGGTCACC
CCCCCAGATCCAAGGGGAACTGCAGGTCAAGGGCTGATAACGGCCATGCAGGATGCTTGATGCTGCGTCCCCCG
CTGCTTGCCGCCCCCACC CGCCATTTTGTATAATAAAGCTCCCTGTGTATTCTC

3381/6881
FIGURE 3116

MAEASSDPGAEEREELLGPTAQWSVEDEEEAVHEQCQHERDRQLQAQDEEGGGHVPERPKQEMLLSLKPSEAPEL
DEDEGFGDWSQRPEQRQQHEGAQGALDSGEPPQCRSPEGEQEDRPGLHAYEKEDSDEVHLEELSLSKEGPGPEDT
VQDNLGAAGAEEEQEEHQKCQQPRTSPPLVLEGTIEQSSPPLSPTTKLIDRTESLNRSIEKSNSVKKSQPDLPIS
KIDQWLEQYTQAIETAGRTPKLARQASIELPSMAVASTKSRWETGEVQAQSAAKTPSCKDIVAGDMSKKSLWEQK
GGSKTSSTIKSTPSGKRYKFVATGHGKYEKVLVEGGPAP

3382/6881
FIGURE 3117

TTGCTGTAACAGTGTTTATTGATGATGAGTCCAGGGCTCCTGCTGAAGCCCTGGTGGGGAGGGGCACAGAGCGAG
ATGGGGCGTAATGGAATGCTTGAAGGCTGCTCCGTGATGTCGGTCGGAGCTTCCAGACTAGGCGAGGGCAGGGTG
AGGCCTCGGGCACACAGCCGGCGCCAGTCACCCGGCCAGATGGAGGGCGGCCGGGCCCTGCACAGGCACTTGC
CAAGGTGGCTCACACTCACGCACACTCGTACTGAGACTCAAGGCCGTCTCCACAACCTCAACCAGTGCAAATGAC
TTAGTGCAAATTAAATTGAGAAGGGACGGGGGAAACAGAGTTCGTGGAGGCTTTGAATCTCTCAGAAAAAAGGAAA
GACAGGAAAGCTCAGAAACAAAGAGACAGAAGGATGAAAAAGAAGAAGAGGGAGGTGGTGGGGACGGCGTCATCC
CGCTGGAGGAGCTCAGCTCTGGGATGATGTGCTGGTGGTGGTCAACCGTCCGCCGAGGGGGTGGCCATGAAGA
TGGAGTCGCCGGTGCGGGGTGGGTGCTGCGGGCGCTGCTGTTCCGATGGTGTCTTTGATGTTGGGCTGATGAGGT
CTGGTTCCCTCTAGCTTCCAGAGCCGATTCTGAGTCAGGTAGTGCAGTGGTTGTAAAGTGCAGCATATTCATTTT
CAAGCTAGAGGGTTTTGTGTCCGGATTCAAAGGCCAGGCTTGAGCTGGGTAGCACCATTTCTTTCATGTTGTGG
GTTCTGGGAGCCCAGAGGGCAGCCATAGTGTGCCGACTCCGTGGAGGAAGTAAAGAAACAGACCCGCTTCTTGCC
GCAGCCCCACCAGCCTAAGGTGTTGAGGAAGGCCGGACGCGCCTCCTCTGTCCTCGCCGTCACACCGGACCATGT
CATGTCCTGCTTGTACGTCCACCGACCTGGCGTCTTGGCCTTCGGCAGCTGGTGGGCACGTCCACCCAGCTG
GAGACCTGGCCTCGTCTCCAGCCGAACGCTGAGGCACCGATCCCGGCTCCGTGCGCGCCGCGAGGCCCCGCTT
GGCCACGGGCTCTGGAGGCCAGTGCTCCCGCTCGCCGCCCGCTGCGCTCCTCACCCCTGCCTGCACCATCCTCC
CTCCTGAGAGCTCATTCACTCCGCCCCGCCCCGCTCGCCTAGTCTGGTCTCGCCCCATGCCCTTGACTCCCCCTGG
ATGCTGTACTGTCTGCCAAGCCAGCCCCAGGGGCTGAGCGGTGAGGGCATAACAGCGTCACCAAGTCCACTGTGGG
CCCTCTCCGCACCAGACCCTGGGCGCAGTGCCTCGTGGGAC

3383/6881
FIGURE 3118

MMSPGLLLKPWWGGAQSEMGRNGMLEGCSVMSVGASRLGEGRVRPRAHSRRPVTRPRWRAAGPCTGTCQGGSHSR
TLVLRLKAVSTTPTSANDLVQIKFRRDGGNRVVEALNLSEKRKDRKAQKQDRRMKKKKREVVGTAASSRWRSSAL
G

3384/6881
FIGURE 3119

GGGGCCAGACGCCAAGAGGGGCGCGGGGAGCACAGAGAAGCGGAGGGAAGGGCGCCACGTCTGAGGGGCCGGGGGA
GGCGGTGACTGGGGGGCGGAGTGGAGGCTGCACCCGGACCGCGGGCGCCCAGCTCGGTTTGGGCCGACGGAGCCC
TCTGCCGTCGCGAGCCCGGGCCTCGGGAGGGGGACAGGCGGTGGCGGCACCGGGGCCGCTCCGGGACGCAGCGCG
GAAAGGGGAGCGGGCCCGAGGCTGCGCGCCGGGGGGAGGGCTGGAGGGGGAGCGCTTTGGGGGGTTACAACGCCCG
CGGCCTGCGAGCCGGACTGCCTGCGGGGGGAACCGCCTCCTCGGGCGAAGCGGGGATGGGGGGAGTTGAGGTAGA
TGAAGAGGAGGCGGCGGGGAATCCGCAGGCCCGGCGGAGCGCGACCCCGCGGACGGCGCCCGGGACGGGAGTCAG
CAGCGAGGCAGCGGGCGGCGTCGACGCGGGGCCGCCTTGCCCGATGGAGGCGCTGGTGGGCAGAGCGCGGGCAGG
CGTGGGCCAGGAGGCGGGGGCGGCCGGAAGGGGGGGCCGGGGCCGGCCGGGCCTCACGCAGCTCCGCCG

3385/6881
FIGURE 3120

TTCTCCCGCAACCTTCCCTTCGCTCCCTCCCGTCCCCCCAGCTCCTAGCCTCCGACTCCCTCCCCCCTCACGC
CCGCCCTCTCGCCTTCGCCGAACCAAAGTGGATTAAATTACACGCTTTCTGTTTCTCTCCGTGCTGTTCTCTCCCG
CTGTGCGCCTGCCCGCCTCTCGCTGTCTCTCTCCCCCTCGCCCTCTCTTCGGCCCCCCCCCTTTCACGTTCACTC
TGTCTCTCCCACTATCTCTGCCCCCTCTATCCTTGATACAACAGCTGACCTCATTTCCCGATACCTTTTCCCCC
CCGAAAAGTACAACATCTGGCCCGCCCCAGCCCGAAGACAGCCCGTCCCTCCCTGGACAATCAGACGAATTCTCC
CCCCCCCCCAAAAAAAAAAGCCATCCCCCGCTCTGCCCCGTGCGACATTTCGGCCCCCGCGACTCGGCCAGAGCG
GCGCTGGCAGAGGAGTGTCCGGCAGGAGGGCCAACGCCCGCTGTTTCGGTTTGCGACACGCAGCAGGGAGGTGGGC
GGCAGCGTCGCCGGCTTCCAGACACCAATGGGAATCCCAATGGGGAAGTCGATGCTGGTGCTTCTCACCTTCTTG
GCCTTCGCCTCGTGCTGCATTGCTGCTTACCGCCCCAGTGAGACCCTGTGCGGCGGGGAGCTGGTGGACACCCTC
CAGTTCGTCTGTGGGGACCGCGGCTTCTACTTCAGCAGGCCCCGAAGCCGTGTGAGCCGTGCGAGCCGTGGCATC
GTTGAGGAGTGCTGTTTCCGCAGCTGTGACCTGGCCCTCCTGGAGACGTACTGTGCTACCCCCGCCAAGTCCGAG
AGGGACGTGTGACCCCTCCGACCGTGCTTCCGGACAACCTCCCCAGATACCCCGTGGGCAAGTTCTTCCAATAT
GACACCTGGAAGCAGTCCACCCAGCGCCTGCGCAGGGGCCTGCCTGCCCTCCTGCGTGCCCGCCGGGGTACGCTG
CTCGCCAAGGAGCTCGAGGCGTTCAGGGAGGCCAAACGTCACCGTCCCCTGATTGCTCTACCCACCCAAGACCCC
GCCCACGGGGGCGCCCCCCCAGAGATGGCCAGCAATCGGAAGTCAGCAAACTGCCGCAAGTCTGCAGCCCGGCG
CCACCATCCTGCAGCCTCCTCCTGACCACGGACGTTTCCATCAGGTTCCATCCCGAAAATCTCTCGGTTCCACGT
CCCCCTGGGGCTTCTCCTGACCCAGTCCCCGTGCCCCGCTCCCCGAAACAGGCTACTCTCCTCGGCCCCCTCCA
TCGGGCTGAGGAAGCACAGCAGCATCTTCAAACATGTACAAAATCGATTGGCTTTAAACACCCTTCACATACCCT
CCCCC

3386/6881
FIGURE 3121

MGIPMGKSMVLVLLTFLAFASCCIAAYRPSETLCGGELVDTLQFVCGDRGFYFSRPASRVSRRSRGIVEECCFRSC
DLALLETYCATPAKSERDVSTPPTVLPDNFPRYPVGKFFQYDTWKQSTQRLRRGLPALLRARRGHVLAKELEAFR
EAKRHRPLIALPTQDPAHGGAPPEMASNRK

3387/6881
FIGURE 3122

CATACATGAACACAGCTCACAGCACACAAACACGCAGCCCGACTAGCAGTCTAGAGGCCTGAGGCTTCTGGGTCC
TGGTGACGGGGCTGGCATGACCCCGGGGGTCGTCCATGCCAGTCCGCCTCAGTCGCAGAGGGTCCCTCGGCAAGC
GCCCTGTGAGTGGGCCATTTCGGAACATTGGACAGAAGCCCAAAGAGCCAAATTGTCACAATTGTGGAACCCACAT
TGGCCTGAGATCCAAAACGCTTCGAGGCACCCCAAATTACCTGCCCATTTCGTCAGGACACCCACCCACCCAGTGT
TATATTCTGCCTCGCCGGAGTGGGTGTTCCCGGGGGCACTTGCCGACCAGCCCCCTTGCGTCCCCAGGTTTGCAGC
TCTCCCCTGGGGCCACTAACCATCCTGGCCCGGGCTGCCTGTCTGACCTCCGTGCCTAGTCGTGGCTCTCCATCTT
GTCTCCTCCCCGTGTCCCAATGTCTTCAGTGGGGGGCCCC

3388/6881
FIGURE 3123

MTPGVVHASPPQSQRVPRQAPCEWAI RNIGQKPKEPNCHNCGTHIGLRSKTLRGTPNYLPIRQDTHPPSVIFCLA
GVGVPGGTCRPAPCVPRFAALPWATNHPGPGCLSDLRA

3389/6881
FIGURE 3124

CCAAATTAAACCCCCCCCCCATGTAACAGGGGGGCAGTGACAAAAGCAAGAACGCACGAAGCCAGCCTGGAGACC
ACCACGTCCTGCCCCCGCCATTTATCGCCCTGATTGGATTTTGTTCATCTGTCCCTGTTGCTTGGGTTGAG
TTGAGGGTGGAGCCTCCTGGGGGGCACTGGCCACTGAGCCCCCTTGGAGAAGTCAGAGGGGAGTGGAGAAGGCCA
CTGTCCGGCCTGGCTTCTGGGGACAGTGGCTGGTCCCCAGAAAGTCCTGAGGGCGGAGGGGGGGGTTGGGCAGGGT
CTCCTCAGGTGTCAGGAGGGTGCTCGGAGGCCACAGGAGGGGGCTCCTGGCTGGCCTGAGGCTGGCCGGAGGGGA
AGGGGCTAGCAGGTGTGTAAACAGAGGGTTCCATCAGGCTGGGGCAGGGTGGCCGCCTTCCGCACACTTGAGGAA
CGGCGGGTCTGAGCCACAGAGCAGGAGAGCTGCCAGGTCTGCCCATCGACCAGGTGCTTGGGCCCCGGAGCCC
ACGGGTCTGGTGATGCCATAGCAGCCACCACCGCGGGCGCTAGGGCTGCGGCAGGGACTCGGCCTCTGGGAGGTT
TACCTCGCCCCCACTTGTGCCCCCAGCTCAGCCCCCTGCACGCAGCCCGACTAGCAGTCTAGAGGCCTGAGGCT
TCTGGGTCCCTGGTGACGGGGCTGGCATGACCCCGGGGGTTCGTCCATGCCAGTCCGCCTCAGTCGCAGAGGGTCCC
TCGGCAAGCGCCCTGTGAGTGGGCCATTTCGGAACATTGGACAGAAGCCCAAAGAGCCAAATTGTCACAATTGTGG
AACCACATTGGCCTGAGCCACCCAGTGTTATATTCTGCCTCGCCGGAGTGGGTGTTCCCGGGGGCACTTGCCG
ACCAGCCCCCTTGCCTCCCCAGGTTTGCAGCTCTCCCCTGGGCCACTAACCATCCTGGCCCCGGGCTGCCTGTCTGA
CCTCCGTGCCTAGTCGTGGCTCTCCATCTTGTCTCCTCCCCGTGTCCCAATGTCTTCAGTGGGGGGCCCCCTCT
TGGGTCCCCCT

3390/6881
FIGURE 3125

CAGGAGGGTGCTCGGAGGCCACAGGAGGGGGCTCCTGGCTGGCCTGAGGCTGGCCGGAGGGGAAGGGGCTAGCAG
GTGTGTAAACAGAGGGTTCCATCGACCAGGTTGCTTGGGCCCCGGAGCCCACGGGTCTGGTGATGCCATAGCAGC
CACCACCGCGGCGCCTAGGGCTGCGGCAGGGACTCGGCCTCTGGGAGGTTTACCTCGCCCCCACTTGTGCCCCCA
GCTCAGCCCCCTGCACGCAGCCCGACTAGCAGTCTAGAGGCCTGAGGCTTCTGGGTCTTGGTGACGGGGCTGGC
ATGACCCCGGGGGTTCGTCCATGCCAGTCCGCCTCAGTCGCAGAGGGTCCCTCGGCAAGCGCCCTGTGAGTGGGCC
ATTCGGAACATTGGACAGAAGCCCAAAGAGCCAAATTGTCACAATTGTGGAACCCACATTGGCCTGAGATCCAAA
ACGCTTCGAGGCACCCCAAATTACCTGCCCATTTCGTTCAGGACACCCACCCACCCAGTGTTATATTCTGCCTCGCC
GGAGTGGGTGTTCCCGGGGGCACTTGCCGACCAGCCCCTTGCGTCCCCAGGTTTGCAGCTCTCCCCTGGGCCACT
AACCATCCTGGCCCGGGCTGCCTGTCTGACCTCCGTGCCTAGTTCGTGGCTCTCCATCTTGTCTCCTCCCCGTGTC
CCCAATGTCTTCAGTGGGGGGCCCCCTCTTGGGTCCC

3391/6881
FIGURE 3126

MTPGVVHASPPQSQRVPRQAPCEWAI RNIGQKPKEPNCHNCGTHIGLRSKTLRGTPNYLP I RQDTHPPSVIFCLA
GVGVPGGTCRPAPCVPRFAALPWATNHPGPGCLSDLRA

3392/6881
FIGURE 3127

AGTGCCTTAGATTCCAGCGAGCTACGCAAGCAATCCTGGCCCAGCCGAGCTTGCTTCCCCAAATCCCGTAATCCT
TGACCTTATTCCCCCAAAGAAGCGGCCTCCCGGGAAGGAGCGCCCTGGCGGAGAAGACTCGAACGGCTCCACAG
CCGGGCGTTGGGGGAAAGGCATGAAGAACTCTTGACTGACAGAAACGGAGGGTGTGTCCAAAGTTTTGAGGACGG
CCGAGCGGCGCTCCAAAACCCGTCTTCACAGCCTCGCCCCGTTTCGCCTCAGCTACAACAAATCATCGTCAACCTG
TTCCACCTTCTCCAGTCTGGTAGCAAAAAGGGGTGTCTCAGGCCACTCTTCACCTCCACCATGAGCCTGGACATC
CAGAGCCTGGACATCCAGTGTGAGGAGCTGAGCGACGCTAGATGGGCCGAGCTCCTCCCTCTGCTCCAGCAGTGC
CAAGTGGTCAGGCTGGACGACTGTGGCCTCACGGAAGCACGGTGCAAGGACATCAGCTCTGCACTTCGAGTCAAC
CCTGCACTGGCAGAGCTCAACCTGCGCAGCAACGAGCTGGGCGATGTGCGCGTGCATTGCGTGCTCCAGGGCCTG
CAGACCCCTCCTGCAAGATCCAGAAGCTGAGCCTCCAGAACTGCTGCCTGACGGGGGCCGGCTGCGGGGTCTG
TCCAGCACACTACGCACCCTGCCCCACCCTGCAGGAGCTGCACCTCAGCGACAACCTCTTGGGGGATGCGGGCCTG
CAGCTGCTCTGCGAAGGACTCCTGGACCCCCAGTGCCGCTGGAAAAGCTGCAGCTGGAGTATTGCAGCCTCTCG
GCTGCCAGCTGCGAGCCCTGGCCTCCGTGCTCAGGGCCAAGCCGGAATTCAAGGAGCTCACGGTTAGCAACAAC
GACATCAATGAGGCTGGCGTCCGTGTGCTGTGCCAGGGCCTGAAGGACTCCCCCTGCCAGCTGGAGGCGCTCAAG
CTGGAGAGCTGCGGTGTGACATCAGACAACTGCCGGGACCTGTGCGGCATTGTGGCCTCCAAGGCCTCGCTGCGG
GAGCTGGCCCTGGGCAGCAACAAGCTGGGTGATGTGGGCATGGCGGAGCTGTGCCAGGGCTGCTCCACCCACAGC
TCCAGGCTCAGGACCCTGTGGATCTGGGAGTGTGGCATCACTGCCAAGGGCTGCGGGGATCTGTGCCGTGTCTC
AGGGCCAAGGAGAGCCTGAAGGAGCTCAGCCTGGCCGGCAACGAGCTGGGGGATGAGGGTGCCCCGACTGCTGTGT
GAGACCCTGCTGGAACCTGGCTGCCAGCTGGAGTCGCTGTGGGTGAAGTCCTGCAGCTTCACAGCCGCTGCTGC
TCCCACTTCAGCTCAGTGTGCTGGCCCAGAACAGGTTTCTCCTGGAGCTACAGATAAGCAACAACAGGCTGGAGGAT
GCGGGCGTGCGGGAGCTGTGCCAGGGCCTGGGCCAGCCTGGCTCTGTGCTGCGGGTGCTCTGGTTGGCCGACTGC
GATGTGAGTGACAGCAGCTGCAGCAGCCTCGCCGCAACCCTGTTGGCCAACCACAGCCTGCGTGAGCTGGACCTC
AGCAACAACCTGCCTGGGGGACGCCGGCATCTGCAGCTGGTGGAGAGCGTCCGGCAGCCGGGCTGCCTCCTGGAG
CAGCTGGTCCTGTACGACATTTACTGGTCTGAGGAGATGGAGGACCGGCTGCAGGCCCTGGAGAAGGACAAGCCA
TCCCTGAGGGTCATCTCCTGAGGCTCTTCTGCTGCTGCTCTCCCTGGACGACCGGCCTCGAGGCAACCCTGGGG
CCCACCAGCCCTGCCATGCTCTCACCTGCATATCCTAGGTTTGAAGAGAAACGCTCAGATCCGCTTATTTCTG
CCAGTATATTTTGGACACTTTATAATCATTAAAGCACTTTTCTTGGC

3393/6881
FIGURE 3128

MSLDIQSLDIQCEELSDARWAEELLPLLQQCQVVRLDDCGLTEARCKDISSALRVNPALAE LNRSNELGDVG VHC
VLQGLQTPSCKIQKLSLQNCCLTGAGCGVLSSTLRTLPTLQELHLSDNLLGDAGLQLLCEGLLDPQCRLEKLQLE
YCSLSAASCEPLASVLRKPDFKELTVSNNDINEAGVRVLCQGLKDSPCQLEALKLESCGVTSDNCRDLCGIVAS
KASLRELALGSNKLGDVGMAELCPGLLHPSSRLRTLWIWECGITAKGCGDLCRVLRAKESLKELSLAGNELGDEG
ARLLCETLLEPGCQLES LWKSCSFTAACCSHFSSVLAQNRFLLELQISNNRLEDAGVREL CQGLGQPGSVLRVL
WLADCDVSDSSCSLAATLLANHSLRELDLSNNCLGDAGILQLVESVRQPGCLLEQLVLYDIYWSEEMEDRLQAL
EKDKPSLRVIS

3394/6881
FIGURE 3129

CACCCACCCACCCCTCCCCGCATTGTGGCATCAGTGCTGCTGCTTCCAGGGAGCCTTCTGGCCATCCAAGCCT
CCTCTCCAGGTTCTCTGCCCTGCTGTAGTCCCCAGGCCAGTGCTTGGCAGGTGCTCAGGGAATGTATCCACCAACC
AAGGTTTGGGGTGGCTGTCTCTGCCTGACCACTTTCCCCAGGCCCTGGCGGGTACCTGAGCTGTGCTCTCAGGG
CCTCAGGAACCTCCTTCCATATTAGGGCCTGTGCCTGGGGAGGCTTCAGGGTGTAGCAGCTGTGCCCATCCCAG
GCTGACCCACCCAGCTTGCCCTGGTAGCCCAGCCTCTGGGCTAGTGTGCCGTGGGGCAGGGGATGTGCTGTAGCCT
GGTGCAGAGTCCCCAACCCAGAAAGGGGGCCATGGAAGCTGACACCCCAAGTGGCCGCCCCCTGCTCTGTCTTG
CTTCGGACACTGTGGCCGGGTCCAGGATCCTGGCATCCTGGGAGGTCTCTGGCTTTGTGGGCAGCCTGCCTGGCC
CGCACAGTCTGCCTGTCTGAGGGTGAGACACAGGTCAAGCCACAGACCCCTTGCTCCCCCTGCTGGGGCCTCC
AGGCTCACAGACCACCCACCCCTACCTGTCTTGCCCAAGCAAATGAGAGGCAGGGGCTTCCCGGGCTGCTGCT
GTCCCGCCCTCTGTGGGGCAGGAGGAGGTGCCACAGAGGCTGGGTGGTGATAGCCAGGAGATGGGCTGGCATCT
GCATTACCCAAGCTCTGCTGCCCATGGTGGCCTTTCTGGGGTGGGTGATGGTCCCTGCCCCCTGCCCCACCCGT
GATGTCTGCTCCAGAGACAAAGGTGGGGAGGGTGCTGAAGAGGAAGTGTGTTGCCAGGGAGAGGCTGCGGCTCCT
CCTGAAACATCAGCCCTGTGGGTCTGTGTTGTCAGAATCTCCGGCCTGTGAAACTGTGAGGGGATTGCGCCAAGAC
GTCCTCTTCCCTCTGCCTCCCACCCAGGCCACTCTTCACCTCCACCATGAGCCTGGACATCCAGAGCCTGGACAT
CCAGTGTGAGGAGCTGAGCGACGCTAGATGGGCCGAGCTCCTCCCTCTGCTCCAGCAGTGCCAAGTGGTCAGGTA
CGCTTGCTCTCGGGGTGGCCTTGGGGTGTGGTGGGGCAGGCTGGCGGGTGGCGGCTCCCTCTGAAGGTGCATT
GCTCTGGAACGCCTTGTTTGTGGACATGAAGTATGAATTCTGTGCAGCTACCACGTGCATGAGATGTGATTCTTG
TGTTTCTTTTTGACAATTTAGGAATGTAAAACCCATTCCAGGCTCATGCAGCATGGGCTGAGGTGGGCGGGCCGA
GGTGGGCGGCCACTGGCCAGTGGGTCTCTGGCTCCGGTGTCTCAGCTCCTCTCCCTCCCTTGGAGACACGAGGGC
AGGACACAGCTTGGGTCCCCTCCGTGAGCCTCCATGGGGCGCTGCTTGCTCCCTGCCAAGCTGGGGGCTGGGAGTC
CTCGGCCCTCGAGGTCTCACAAACCCAGCAGCTTACAAGCAGGACACGAGTGCCCTGGGTGGGCGCATCTTTT
CTCTTTTTACCTGGTGATTTCAAGTAGTGTGAGGTTTGGGAGGAGTTACGAGGACCGGACGGGGCTCCCTGGTG
AGGTGGTCTCTGTGACCTGCGGACGCTAGCTCTGGCCCAGCACCTCCAGGCAGGGTCTGCTTTTCCGCCCTGCCC
TTTTCGTCTTCTCACTGGTCCAGGATTGCGTGGCCCTCAGCCCTCTGTCTCCTTAGCCCTCTCCCGTCTGTGAC
TGTCCTCTGCTCTCTGCGGTTCTTGGTGGTCTGAGGGTCTGGCCAGGCTCCTGCAGGACGTCTCTGTTGGGGC
TTGTCTGGTGGTTTTCTTGTGGTTGAAGTCCTACAGTTTTTGGCAGGAATGCAGGGAGATGCCGTGGGGCCTGCCAG
GAGCGTCTGTACAGGCGCCGTCTGCCACCCCTCTCCACTGTGACGCCACTGCCTTTTCTCCTGTGACTGATCAG
TGCCCTTCGAGAGATACTTTAAATTTCTTTTTATTTTTAGAGACAGGGCATTGCTCTGTACCCAGGCTGGAGTGGC
TCCCTCATGGCTTATGCGGCCCTCAACCTCCTGGGCTCAAGTGATCCTCCTGCCTCAGCCTCCCAGTAGCTGGGA
TTATGGGCATGCGCCACCACGCCCCGCTACTTTTGTATTTTGTAAAGACGGGGTTTCTCCATGTTGGTCAGGT
TGGTCTTGAAGTCCCGACCTCAGGTGATCTGCCTGCCTCGGCCTCCCAAGTGCTGGGATTACAGGCGTGAGCCA
CCGCGCCTGGCC

3395/6881
FIGURE 3130

MSLDIQSLHIQCDDLTDARWAELLLLLHNCQVDRLLDDCGLTEARCKDISSALRVNPALAE LNRSNELGDVG VHC
VLQGLQTPSCKIQKLSLQNCCLTGAGCGVLSSTLRTLPTLQELHLSDNLLGDAGLQLLCEGLLDPQCRLEKLQLE
YCSLSAASCEPLASVLRKPDFKELTVSNNDINEAGVRVLCQGLKDSPCQLEALKLESCGVTSNCRDL CGIVAS
KASLRELALGSNKLACTTFTGLRRWRTGCRPWRTSHP

3396/6881
FIGURE 3131A

AGAGTGAAGCCACCACTCGCTCTCGAATCGCGCGGACGCTGGGCCTGCGCAGGCCTGTTACAGCAGCTGCATCC
CGTCAGTGTGAAGCCAGTGGAGCCCTCTTTGGGGCTGCTGAGAGCGGATATTGGAGCTGCCTCTCTGTCTCTGT
TTGGAGATCCTTATGAGCTGGATCCCTTCGACAGCAGTGAAGAGCTTCTGCAAACCCTCTTTCCCTCTGAGTG
CCAAGAGACGGGCTCTGTCCCGGTGAGCCCTGCAGTCCACCAGCCCGTGGCCAGGCCCGTCTCCGTGGGGCTTT
CCAGGAGGCGCCTCCCTGCCGCGGTGCCAGAGCCAGACTTGGAGGAGGAGCCAGTGCCTGACCTGCTGGGCAGCA
TCCTGTGCGGGCCAGAGCCTCCTGATGCTGGGCAGCAGTGTATGTCATCATCCACCGCGACGGCTCCCTCAGCGCCA
AGAGGGCGGCTCCAGTTTCTTTTTCAGCGAACTCAGGCAGTCTGTCCAGAGGGGAAGAAGGATTCAAGGGCTGCC
TGCAGCCCCGAGCACTGCCCTCCGGGAGCCCGGCCCAAGGCCCCGTAGGAAACAGGCCACAGAGCACAGGGCTCA
GCTGTCAAGGCAGGTCCCGCACCCCCGCCCCGACCGCGGGGGCGCCTGTGAGGCTGGACTTGCCAGCAGCCCCTG
GGGCGGTTTCAGGCTCGGAACCTTGTCAAATGGGAGTGTGCTTGGCTTCAGACAGAGCCACAGCCCCCTGGTTCAACG
GCACCAACAAGCACACCTTGCCCCCTTGCCCTCTGCCGCGTCTAAGATCTCAAGCAGAGATTCTAAGCCCCATGTC
GCAGTGTGGTGCCGGGGCCTCCCTGAAGCCAGCGCCAGAGAAGAACAGACATCTCTGAGCTACCCAGGATACCAA
AGATCAGGAGAGATGACGGTGGTGGCAGACGGGATGCGGCCCCGCCCCACGGGCAGAGCATTGAGATCCCCAGTG
CCTGCATCAGCCGACTGACTGGCAGGGAGGGACCCGGGCAGCCAGGGCGAGGCACACGGGCAGAGAGCGAGGCCA
GCAGCAGGGTGCCCCGGGAGCCCGGGTGACACGGGCAGCTCCCGGCCCCCAGCCCCCAGTCCCATGGCAGTT
TGGCCCCACTGGGACCATCAAGAGGGAAGGGGTGCGGTGACCTTTGAGAGCTTCCGGATCAATATTCTGGAA
ACATGGCACATTCCAGCCAGCTCTCCAGCCCTGGCTTCTGTAACAGTTCCGGCCTGTGGACGATAAGGAGCAGA
GGAAGGAGAACCCCTCACCCCTCTTCTCCATCAAGAAGACGAAGCAGCTGCGGAGCGAGGTCTACGACCCATCCG
ACCCACCGGCTCCGACTCCAGCGCCCTGGCAGCAGCCCCGAGAGGTCTGGCCCCGGCTCCTGCCCTCTGAGA
TCACACGAACCATCTCCATCAACAGCCCGAAGGCCAGACGGTGCAGGCTGTGCGCTGCGTCACTCCTACACGG
TGGAGAGCATCTTTGGTACAGAGCCCGAACCCCTCTCGGACCGTCTCCGCCATGTCCAAGCTCCGGGGTGCAG
TGGCTGCCGAGGGGGCTCTGACACGGAGCGAGAGGAGCCACAGAGAGCCAGGGCCTGGCTGCCCGGCTGCCGA
GGCCATCCCCCCCAGAGCCCTGGGATGAGGAGGATGGGGCGTCTTGACAGCCTTCTTTGGCTCTGAGGAGCGGA
CGGTGACCTGTGTGACTGTGCTGGAGCCGGAAGCCCCACCCAGCCCGGACGTGCTGCAGGCTGCCACCCACAGAG
TCGTGGAGCTCAGGCCCCCTTCCCGGTCCCGCTCCACATCCAGCTCCCGCAGCAGGAAGAAGGCCAAGAGGAAGA
GGGTGTCCAGGGAGCACGGACGGACGCGCTCTGGGACGCGCTCTGAATCCAGGGACAGGAGCTCGAGGTCAGCGT
CACCATCAGTGGGTGAGGAGCGCCCCAGGAGGCAGCGGTCCAAGGCCAAGAGCCGGCGGTCTCCAGTGACCGCT
CCAGCAGCCGAGAGCGAGCTAAGAGGAAGAAAGCCAAGGACAAGAGCAGGGAGCACAGGCGGGGGCCCTGGGGCC
ACAGCCGGAGGACGTCCCGGTGCGGTCGGGGAGCCCTGGCAGCTCTTCTATGAGCACTATGAGAGTAGGAAGA
AGAAGAAAAGGAGATCAGCGTCCAGACCTCGGGGAAGGGAGTGCTCCCCCACCAGCAGCCTGGAGAGGCTCTGCA
GGCACAAGCATCAGCGGGAACGCAGCCACGAGCGGCCAGACAGGAAGGAGAGTGTGGCGTGGCCCCGAGACCGGA
GGAAGCGGAGGTCCCGGTCCCCAAGCTCGGAGCACAGGGCACGGGAGCACAGGCGGCCTCGGTCCCGTGAGAAGT
GGCCGACAGCCCGGTCCCATTTCCCCAGAGAGGAAGGGGGCTGTGAGGGAGGCTTCCCCAGCGCCCCCTTGACAGG
GGGAGCCAGGGCGGGAAGACCTCCCCACCAGGTTGCCAGCCTTGGGGGAAGCACATGTCTCGCCGGAGGTGGCTA
CGGCCGACAAGGCCCCCTGACAGGCTCCCCCTGTCTGGAGGTGGCAGCTGAGTGTGAGCCGGACGACCTGGACC
TGGATTATGGCGACTCCGTGGAGGCCGGACACGTCTTTGATGATTTCTCAAGCGACGCCGTTTTTCATCCAGCTCG
ATGACATGAGCTCGCCACCTTCTCCGAAAGCACAGACTCTTCCCCGAGCGAGACTTCCCACTGAAGCCTGCGT
TGCCCCCAGCCAGCCTGGCCGTGGCCGCCATCCAGAGGGAGGTGTGATTGATGCACGATGAAGACCCCTTCGCAGC
CCCCACCCCTGCCAGAGGGCACCCAGGAGCCACATTTGCTCAGGCCGACGCGGCTGAGAAGGCTGAGGCACCCA
GTTCCCCGGATGTGGCGCCTGCGGGGAAGGAAGACAGCCCCCTCTGCGAGTGGGAGGGTACAGGAGGCAGCCCGGC
CTGAGGAGGTGGTTTTCGAGACCCCCCTGCTGCGGTCCAGAGCCCTGGTGAAGCGGGTACCTGGAACCTGCAGG
AGTCGGAGAGCAGCGCCCCCGCCGAGGACAGAGCCCCCGGGCACCCTTCACAGGCCACAGAAGCCCCGAGAAG
GAGCCTGGGACATGGAGGATGTGGCCCCCACAGGGGTGAGGCAGGTGTTCTCCGAGCTGCCCTTTCCAGTCACG
TGCTTCCGGAACCCGGGTTCACAGACACAGACCCCTCTCAGGTTTACAGCCCCGGCCTGCCGCTGCCCGGGCCC
AGCCCTCAAGCATCCACCCCTGCGCACTGGTCAGCCAGCCCACGGTCCAGTTTCATCCTTCAGGGGAGCCTGCCGC
TAGTGGGCTGTGGGCAGCACAGACCCCTGGCCCCAGTGCCCGTGCCTGACCCAGCCTCAGAGCCAGCCAGTC
AAGCCACTGCAGCCAGCAACTCGGAGGAGAAGACCCCCGCCCCCAGGCTAGCTGCGGAGAAAACCAAGAAGGAGG
AGTACATGAAGAAGCTGCACATGCAGGAGCGTGTGTGGAGGAGGTGAAGCTGGCCATCAAGCCCTTCTACCAGA

3397/6881
FIGURE 3131B

AGAGGGAGGTGACCAAGGAGGAGTACAAGGACATCCTGCGCAAGGCCGTGCAGAAGATCTGCCACAGCAAGAGTG
GAGAGATCAACCCCGTGAAGGTGGCCAACCTGGTGAAGGCGTACGTGGACAAGTACAGGCACATGCGCAGGCACA
AGAAACCAGAGGCCGGGGAGGAGCCGCCCACGCAGGGGGCCGAGGGCTGAGGCCAGGCAATCACGGGCTATGCCC
GGGGAGCTGTCGGGAGTGGCGGGAATCGGGGCCATGCCCAGGGAGCTGTCGGGAGTGGCGGGAATCGGGGCCATG
CCCGGGGAGCTGTCGGGAGTGGCGGGAATGGGGGGCATCACCATGCCTGCCGTCGGGTTTCTGCGCTGACACCT
GGTCTGTGCACCTGTGTTGCTCACAGTTGAAAACCTGGACACTTTTGTATGTATATTATAGAGACACTGTTTCCAT
TCTAATTTATCAAAAATGGATTATCTTTAGAAACCTCTTGATTGACTTACTACTTGGAAGATAAAGCACTTGGTG
ATCAAGAGGGGCTCCTGGTGGGGTGGCGCGTCTTGATAAATCTCTAGGTGGCCTCCCGCCAACAGCTGCTGTGT
ACCTTTGGCTCTGAATTAGGAATATCTTTACTTTCTCTTTTCC

3398/6881
FIGURE 3132

MDDDSLDELVARSPGPDGHPQVGPADPAGDFEESSVGSSGDSGDDSDSEHGDGTDGEDEGASEEEDLEDRSGSED
SEDDGETLLEVAGTQGKLEAAGSFNSDDDAESCPICLNAFRDQAVGTPENCAHYFCLDCIVEWSKNANSCPVDR
LFKCICIRAQFGGKILRKIPVENTKASEEEDPTFCEVQGRSDREDRLLLCDGCDAGYHMECLDPPLQEVVPVDEW
FCPECAAPGVVLAADAGPVSEEEVSLLLADVPTTSRLRPRAGRTRAIARTRQSERVRATVNRNRISTARRVQHT
PGRLGSSLLDEAIEAVATGLSTAVYQRPLTPRTPARRKRKTRRRKKVPGRKKTSPGPSAKSKSSATR SKKRQHRV
KKRRGKKVKSEATTRSRIARTLGLRRPVHSSCIPSVLKPVEPSLGILLRADIGAASLSLFGDPYELDPFDSSEELS
ANPLSPLSAKRRALRSALQSHQPVARPVSGLSRRRLPAAVPEPDLEEEFVPDILLGSILSGQSLLMLGSSDVI
HRDGSLSAKRAAPVSFQNRSGSLSRGEEGFKGCLQPRALPSGSPAQGPSGNRQSTGLSCQGRSRTPARTAGAPV
RLDLPAAPGAVQARNLSNGSVPGFRQSHSPWFNGTNKHTLPLASAASKISSRDSKPPCRSVVPGPPLKPAPRRTD
ISELPRIPKIRRDDGGGRDAAPAHGQSIEIPSACISRLTGREGTGQPGRGTRAESEASSRVPREPGVHTGSSRP
PAPSSHGSLAPLGP SRGKGVGSTFESFRINIPGNMAHSSQLSSPGFCNTFRPVDDKEQRKENPSPLFSIKKTKQL
RSEVYDPSDPTGSDSSAPGSSPERSGPGLLPSEITRTISIKQPEGPDGAGCALRHAPTLVESIFGTEPEPPLGPS
SAMSKLRGAVAAEGASDTEREPTESQGLAARLRPSPEPWDEEDGASCSTFFGSEERTVTCVTVVEPEAPPSP
DVLQAATHRVVELRPPSRSRSTSSSRSRKKAKRKRV SREHGRTRSGTRSESRDRSSRSASP SVGEERPRRQSKA
KSRRSSSDRSSSRERAKRKKAKDKSREHRRGPWGH SRRTSRSRSGSPGSSSYEHYESRKKKKRRSASRPRGRECS
PTSSLERLCRHHKHQRERSHERPDRKESVAWPRDRRKR SRSPSSEHRAREHRRPRSREKWPQTRSHSPERKGAVR
EASPAPLAQGEPRGREDLPTRLPALGEAHVSPEVATADKAPLQAPPVLEVAACEPDDLDDLDYGDSVEAGHVDFDF
SSDAVFIQLDDMSSPPSPESTDSSPERDFPLKPALPPASLAVAAIQREVSLMHDEDPSQPPPLPEGTQEPHLLRP
DAAEKAEAPSSPDVAPAGKEDSPSASGRVQEAARPEEVVSQTPLLRSRALVKRVTWNLQESSESSAPAEDRAPRAP
LHRPQKPREGAWDMEDVAPTGVQAFSELFPF SHVLPEPGFPDTPSQVYSPGLPPAPAQPSSIPPCALVSQPTV
QF ILQGS LPLVGC GAAQTLAPVPAALTPASEPASQATAASNSEKTPAPRLAAEKT KKEEYMKKLHMQERAVEEV
KLAIKPFYQKREVTKEEYKDILRKAVQKICHSKSGEINPVKVANLVKAYVNKYRHMR RHKKPEAGEEPPTQGAEG

FIGURE 3133

[illegible]

3400/6881
FIGURE 3134

MQPSSLLPLALCLLAAPASALVRIPLHKFTSIRRTMSEVGGSVEDLIAKGPVSKYSQAVPAVTEGPIPEVLKNYM
DAQYYGEIGIGTPPQCFTVVFDTGSSNLWVPSIHCKLLDIACWIHHKYNSDKSSTYVKNGTSFDIHYGSGSLSGY
LSQDTVSVPCQSASSASALGGVKVERQVFGEATKQPGITFIAAKFDGILGMAYPRISVNNVLPVFDNLMQQKLVD
QNIFSFYLSRDPDAQPGGELMLGGTDSKYYKGSLSYLNVTRKAYWQVHLDQVEVASGLTLCKEGCEAIVDTGTSL
MVGVPDEVRELQKAIGAVPLIQGEYMIPCEKVSTLPAITLKLGGKGYKLSPEDYTLKVSQAGKTLCLSGFMGMDI
PPPSGPLWILGDVFIGRYYTVFDRDNNRVGFAEAARL

3401/6881
FIGURE 3135

GCGCGCAACGGCGGCGACGGCGGCGACCCACCGCACATCCTGCCAGGCCTCCGGCGCCCAGGGCGCACGGCGCG
CCCCGTGCCGGCGGCCCCCTGCGCCCATTTCTTGGCGCCCCCGCCGGTCGGCCCCGCCAGGCCCCCTTTGCCGGCC
ACCAGCCAGGCCCCGCGCCGGCCCCGCGCCGCCAGGACGGGCCCCGCGCCCCGAGGCCGCCCCGCGCCCGCGC
CGCCATGGGAGTGGAGGGCTGCACCAAGTGCATCAAGTACCTGCTCTTCGTCTTCAATTTTCGTCTTCTGGCTGGC
TGGAGGCGTGATCCTGGGTGTGGCCCTGTGGCTCCGCCATGACCCGCAGACCACCAACCTCCTGTATCTGGAGCT
GGGAGACAAGCCCCGCGCCCAACACCTTCTATGTAGGCATCTACATCCTCATCGCTGTGGGCGCTGTCATGATGTT
CGTTGGCTTCCTGGGCTGCTACGGGGCCATCCAGGAATCCCAGTGCCCTGCTGGGGACGTTCTTCACCTGCCTGGT
CATCCTGTTTGCTGTGAGGTGGCCGCCGGCATCTGGGGCTTTGTCAACAAGGACCAGATCGCCAAGGATGTGAA
GCAGTTCTATGACCAGGCCCTACAGCAGGCCGTGGTGGATGATGACGCCAACAACGCCAAGGCTGTGGTGAAGAC
CTTCCACGAGACGCTTGACTGCTGTGGCTCCAGCACACTGACTGCTTTGACCACCTCAGTGCTCAAGAACAATTT
GTGTCCCTCGGGCAGCAACATCATCAGCAACCTCTTCAAGGAGGACTGCCACCAGAAGATCGATGACCTCTTCTC
CGGGAAGCTGTACCTCATCGGCATTGCTGCCATCGTGGTCGCTGTGATCATGATCTTCGAGATGATCCTGAGCAT
GGTGCTGTGCTGTGGCATCCGGAACAGCTCCGTGTACTGAGGCCCCGCGAGCTCTGGCCACAGGGACCTCTGCAGT
GCCCCCTAAGTGACCCGGACACTTCCGAGGGGGCCATCACCGCCTGTGTATATAACGTTTCCGGTATTACTCTGC
TACACGTAGCCTTTTTTACTTTTGGGGTTTTGTTTTTGTCTGAACCTTTCCTGTTACCTTTTCAGGGCTGACGTCA
CATGTAGGTGGCGTGTATGAGTGGAGACGGGCCTGGGTCTTGGGGACTGGAGGGCAGGGGTCCTTCTGCCCTGGG
GTCCCAGGGTGCTCTGCCTGCTCAGCCAGGCCTCTCCTGGGAGCCACTCGCCAGAGACTCAGCTTGGCCAACTT
GGGGGGCTGTGTCCACCCAGCCCGCCCGTCTGTGGGCTGCACAGCTCACCTTGTTCCTCCTGCCCCGGTTCGA
GAGCCGAGTCTGTGGGCACTCTCTGCCTTCATGCACCTGTCCTTTCTAACACGTGCGCTTCAACTGTAATCACAA
CATCCTGACTCCGTCAATTAATAAGAAGGAACATCAGGCATGCT

3402/6881
FIGURE 3136

CTTGCTCGCGGAGAGAGGAGCTAGGAGCCTCGGCCAATGGGAGCCGGCGTTGTTGGAGGCCACGGCGGCGCAGCC
CCAAAGCGAGCGAAGCTAGGGTCGCCGCCACTGCCGAGGAGGCGTGAGGGGATAAAAAACATTCAGATGGCAGAT
CACAGTTTTTCAGATGGGGTTCCTTCAGATTCCGTGGAAGCTGCTAAAAATGCAAGTAACACAGAAAAGCTCACA
GATCAGGTGATGCAGAATCCTCGAGTTCCTGGCAGCTTTACAGGAGCGACTTGACAATGTCCCTCACACCCCTTCC
AGCTACATCGAACTTTACCTAAAGCAGTAAAAAGAAGAATTAATGCATTGAAACAACCTTCAGGTGAGATGTGCT
CACATAGAAGCCAAGTTCATGAAGAGGTACATGACTTGGAAGAAAGTATGCAGCGCTATACCAGCCTCTCTTT
GACAAGAGAAGAGAATTTATCACCGGCGATGTTGAACCAACAGATGCGGAATCGGAATGGCACAGTGAAAATGAA
GAGGAAGAGAAATTGGCTGGAGACATGAAAAGTAAAGTAGTCGTACAGAAAAAGCAGCGGCAACGGCTGAAGAG
CCAGATCCCAAAGGAATTCCAGAGTTCGGTTTACCATCTTCAGAAATGTGGACATGCTGAGTGAATTAGTCCAG
GAATATGATGAACCAATCTTGAAACACCTGCAGGATATTAAAGTGAAATTTTCTGACCCCTGGACAGCCTATGTCT
TTTGTGTTAGAGTTCCTTTGAACCAACGACTACTTTACCAACTCAGTCCTGACAAAAACCTACAAGATGAAA
TCAGAACAGATAAGGCTGATCCCTTTTCTTTGAAGGTCTGAGATTGTGGACTGTGACGGGTGTACTATTGAC
TGGAAGAAAGGAAAGAATGTTACTGTCAAACCATCAAGAAAAAGCAGAAGCATAAGGGTCGAGGCACTGTTAGA
ACAATTACGAAACAAGTACCCAATGAGTCCTTTTTCAACTTCTTCAATCCATTGAAAGCATCCGGGGATGGAGAA
TCACTGGATGAAGATTCTGAATTCACATTAGCCTCTGATTTTGAAATTGGACACTTTTCCGTGAGCGGATAGTC
CCGCGGGCTGTGCTGTACTTCACTGGGGAGGCCATAGAAGATGATGACAATTTTGAAGAAGGTGAAGAAGGAGAA
GAGGAGGAATTAGAAGGTGACGAGGAGGGAGAAGACGAGGATGATGCGGAATTAACCCCAAGGTGTAATTTTG
TCTGTTAATCATTACATACGTTTCTAGAAGGAACCCAGCCAGCCGGCGGAATGCAAGCAGCAGTAGGAAGCGGAGG
CGGGTGCTTGGCAGACCGGCTGTCGGGACTCCAGGCCTGTGGGCGGGGCTCGGTCCCTGCCGCAGCACAATCCC
GTGGACAGAGCTTACTCCATCTAACTCGTTTTCAAGTGCATGATTTTCACTTTCCTTTTCTTTTCTTTATTA
TTTTGCTTAACCTTGTACAGTGGCAACTGAAATGCATTTAGAAATAGGAGGTTTCGTCCAGCACCTCTGCAGCC
TTGGTGCTGTAGCTCTGGACTTCCCTGGGCCTTTCCCTGTGGGAGGGCCCTGTAGACCACATCAGGGTGGGGTG
GGGGTCACTTGGCAAAAAGGCGGAGGTCTGGTGTATGTGGTTCCAGGATCTGGAACCTCTCCACCCCTCCTGC
AGTTGGACTGAATTCCTCCCTTTCATCCGAAGAAACCCACTTGCTGTTTCCAGCCGCTGAATCTGCTGAGTGTGC
AGCCTGCATCACCTGCTGTATGCCGATCATCTCAGAAAGGGCTGTGTAGAGTAGGGCCCTGTTCTCCTTAGGATG
TTGCTTCTTCATTTTTTTTTTTTTTTAGGGGTGGGTGAGGGTGTGACACACCAGCCAGGTGAGAGCTGCTGCG
GGTACCTCATATTTATTTATCCCTTCTTGCCCTGTGAGGACTGCGGCTTTTCGCTGTGGCTCGTCTTAACGTTT
CTGAACCACCTTGGTGCCCTGAGCAGGAAGATGTGCCACTTCTAGCAGGCGCAAGGCCTGTGCGGAAGAAACGC
CGCTCCCTGCCACCAGGGCTGAAGATGCGAGCCCGTCTCATGACGAGGCGCCACCCTGTGCGGAGCCGGGC
TTCGGCAGTCTTCTCCACTGAGGGACTGGGCTGGGAAGTCTGCGTTTTCAGTGGAGCGTATGAGCGTCAAGTCTT
GCTTTCTCAGTAGCCCCATTGCGGGGCCCCACCATTATCCTGTCTGAAGGTCTGGGTTTGGTGTGACCGCTTG
GCGGCTGGTGGGTGGGGTTTTCAAGTGGGTGACGGCGCTCTCCGGCAGCCGGGGATGGCCGTGTCCGCACTGACC
AGGCCTGTGGAGAGTGCTCGGCCTAACCTTAGAACACATTTGTAAGTGAATACAGTGTTCCTAATTTGTACAGAA
TAGTTAGAATATTCTATTAAAGTGGTGAAACATTG

3403/6881
FIGURE 3137

CCGGGGCGGCGGTTGCATCAGATTCTAGGAAGTGTCTGTAGCCGCAGCTGCGGGTCCGGGATTCCCAGCC**ATGGC**
AGATTCCCTCCGGGCAGCAGGGCAAAGGCCGGCGTGTGCAGCCCCAGTGGTCCCCTCCTGCTGGGACCCAGCCATG
CAGACTCCACCTTTACAACAGCCTCACCAGGAACAAGGAAGTGTTCATACCTCAAGATGGGAAAAAGGTGACGTG
GTATTGCTGTGGGCCAACCGTCTATGACGCATCTCACATGGGGCACGCCAGGTCCCTACATCTCTTTTGATATCTT
GAGAAGAGTGTGAAGGATTACTTCAAATTTGATGTCTTTTATTGCATGAACATTACGGATATTGATGACAAGAT
CATCAAGAGGGCCCCGGCAGAACCACCTGTTTCGAGCAGTATCGGGAGAAGAGGCCTGAAGCGGCACAGCTCTTGGA
GGATGTTTCAGGCCGCCCTGAAGCCATTTTCAGTAAATTAATGAGACCACGGATCCCGATAAAAAGCAGATGCT
CGAACGGATTTCAGCACGCAGTGCAGCTTGCCACAGAGCCACTTGAGAAAGCTGTGCAGTCCAGACTCACGGGAGA
GGAAGTCAACAGCTGTGTGGAGGTGTTGCTGGAAGAAGCCAAGGATTTGCTCTCTGACTGGCTGGATTCTACACT
TGGCTGTGATGTCACTGACAATCCATCTTCTCCAAGCTGCCCAAGTTCTGGGAGGGGGACTTCCACAGAGACAT
GGAAGCTCTGAATGTTCTCCCTCCAGATGTCTTAACCCGGGTTAGTGAGTATGTGCCAGAAATTGTGAACTTTGT
CCAGAAGATTGTGGACAACGGTTACGGCTATGTCTCCAATGGGTCTGTCTACTTTGATACAGCGAAGTTTGCTTC
TAGCGAGAAGCACTCCTATGGGAAGCTGGTGCCTGAGGCCGTTGGAGATCAGAAAGCCCCCTCAAGAAGGGGAAGG
TGACCTGAGCATCTCTGCAGACCGCCTGAGTGAGAAGCGCTCTCCCAACGACTTTGCCTTATGGAAGGCCCTCTAA
GCCCCGAGAACCCTCCTGGCCGTGCCCTTGGGGAAAGGGTTCGTCCGGGCTGGCATATCGAGTGCTCGGCCATGGC
AGGCACCTCCTAGGGGCTTCGATGGACATTACGGAGGTGGGTTCGACCTCCGGTTCCTCCACCATGACAATGA
GCTGGCACAGTCCGAGGCCCTACTTTGAAAACGACTGCTGGGTGAGGTACTTCTGCACACAGGCCACCTGACCAT
TGCAGGCTGCAAAATGTCAAAGTCACTAAAAAATTTCATCACCATTAAAGATGCCTTGAAAAAGCACTCAGCACG
GCAGTTGCGGCTGGCCCTTCTCATGCACTCGTGGAAGGACACCCTGGACTACTCCAGCAACACCATGGAGTCAGC
GCTTCAATATGAGAAGTTCTTGAATGAGTTTTTCTTAAATGTGAAAGATATCCTTCGCGCTCCTGTTGACATCAC
TGGTCAGTTTGAGAAGTGGGGAGAAGAAGAAGCAGAAGTGAATAAGAATTTTATGACAAGAAGACAGCAATTCA
CAAAGCCCTCTGTGACAATGTTGACACCCGCACCGTTCATGGAAGAGATGCGGGCCTTGGTCAGTCAGTGCAACCT
CTATATGGCAGCCCCGAAAGCCGTGAGGAAGAGGCCCAACCAGGCTCTGCTGGAGAACATCGCCCTGTACCTCAC
CCATATGCTGAAGATCTTTGGGGCCGTAGAAGAGGACAGCTCCCTGGGATTCCCGGTGCGAGGGCCTGGAACCAG
CCTCAGTCTCGAGGCCACAGTCATGCCCTACCTTCAGGTGTTATCAGAATTCGAGAAGGAGTGCAGGAAGATTGC
CCGAGAGCAAAAAGTCCCTGAGATTCTGCAGCTCAGCGATGCCCTGCGGGACAACATCCTGCCTGAGCTTGGGGT
GCGGTTTGAAGACCACGAAGGACTGCCCACAGTGGTGAACTGGTAGACAGAAACACCTTATTAAGAGAGAGAGA
AGAAAAGAGACGGGTTGAAGAGGAGAAGAGGAAGAAGAAGAGGAGGCGGCCCGGAGGAAACAGGAACAAGAAGC
AGCAAAGCTGGCCAAGATGAAGATTCCCCCAGTGAGATGTTCTTGTGAGAAACCGACAAATACTCCAAGTTTGA
TGAAAATGGTCTGCCCACACATGACATGGAGGGCAAAGAGCTCAGCAAAGGGCAAGCCAAGAAGCTGAAGAAGCT
CTTCGAGGCTCAGGAGAAGCTCTACAAGGAATATCTGCAGATGGCCCAGAATGGAAGCTTCCAGT**GAGGGGGCAC**
AGGACTGACTTTTTAAACCATTGTGGACTAGTGGCTGCTGTCTGCCTCAGTGACAATGTCCCAGCGCTCCTATCA
TGTTTACAGTCACCCCTGGGTCCTAAATTAAGAGTTGTGTTTCATGTAGGTTTCGTGTCGTTGGCTCTGAGACA
TTGATAATAAATTTTCTCAACAGTGAAAAAAAAAAAAAAAAAAAAA

3404/6881
FIGURE 3138

MADSSGQQGKGRRVQPQWSPPAGTQPCRLHLYNSLTRNKEVFIPODGKKVTWYCCGPTVYDASHMGHARSYISFD
ILRRVLKDYFKFDVFCMNITDIDDKIIKRARQNHLEFYREKRPEAAQLLEDVQAALKPFSVKLNETTDPDKKQ
MLERIQHAVQLATEPLEKAVQSRLTGEEVNSCVEVLLEEAKDLLSDWLDSTLGCDVTDNSIFSCLPKFWEGDFHR
DMEALNVLPPDVLTRVSEYVPEIVNFVQKIVDNGYGYVSNQSVYFDTAKFASSEKHSYGKLVPEAVGDQKALQEG
EGDLSISADRLSEKRSPNDFALWKASKPGEPSWPCPWGKGRPGWHIECSAMAGTLLGASMDIHGGGFDLRFPHHD
NELAQSEAYFENDCWVRYFLHTGHLLTIAGCKMSKSLKNFITIKDALKKHSARQLRLAFLMHSWKDTLDYSSNTME
SALQYEKFLNEFFLNVKDILRAPVDITGQFEKWGEEEEAEELNKNFYDKKTAIHKALCDNVDTRTVMEEMRALVSQC
NLYMAARKAVRKRPNQALLENIALYLTHMLKIFGAVEEDSSLGFPVGGPGTSLSLSEATVMPYLQVLSEFREGVRK
IAREQKVPEILQLSDALRDNILPELGVRFEDEGLPTVVKLVDRNTLLKEREKRRVEEEKKKKEEAARRKQEQ
EAAKLAKMKIPPSEMFLSETDKYSKFDENGLPTHMEGKELSKGQAKKLKKLFEAQEKLYKEYLQMAQNGSFQ

3405/6881
FIGURE 3139

ATGTCCATCAGGGTAACCCAGAAGTCCTACGAGGTGTCCACCTCTAGCCCCCAGGACTTCAGCAGCCGCTCCTA
CACGAGTGGACCTGGTGCCTGCATCAGCTCCTCAAGCTTTTCCCCAGTGGTACCAGCAGCTTCCGGGGTAGCCTG
GGTGGAGGTTATGACAAGGTACGGTTCCTGGAGCAGCATAACAAGATGCTGGAGACCAAGTGGAGCCTCCTGCAG
CAGCAGAAGACAGCTCGGAGCAACATGGACAACATGTTTCGAGAGCTACATCAACAACCTTAGGCGGCAACTGGAC
ACTCTGGGCCAGGAGAAGCTGAAGCTTGGCAACATGCAAGGGCTGATGGAGAACTGCAAGAACAAGTATGAGGAT
GAGATCAATAAGTGTGCAGAGCTGGAGAATGAATTTGTCCTCATCAAGAAGGATGTGGATGAAGCTAACATGAAC
AAGGTAGAGCTGGAGTCTCTCCTGGAAGGGCTGACTGACGAGATCAACTTCCTCAGGCAGCTGTATGAAGAGGAG
ATCCCAGAGCTGCAGTCCCAGATTTTCGGACACATCTGTGGTGCTGTCCATGGACAGCAGCCGCTCCCTGGACATG
GACAACACTATCGCTGAGGTCAAGGCGCAGTACAAGGTGATCTCCAACCGCAGCCGGGCGGAGGCTGAGAGCATG
CACCAGATCAACTCCTTCAGCCACACCAGCTCCACCAGGGCCGTGGTTGTGAAGAATATCGAGACCCACGAAGGG
AAGCTGGTGTCCGAGTCCTCTGACGTCCTGCCCAAGTGA

3406/6881
FIGURE 3140

MSIRVTQKSYEVSTSSPPGLQQPLLHEWTWCLHQLLKLFPSTSSFRGSLGGGYDKVRFLEQHNKMLETKWSSLQ
QOKTARSNMDNMFESYINNLRRLDTLGOEKLKLGNMQGLMENCKNKYEDEINKCAELENEFVLIKKDVDEANMN
KVELESLLLEGLTDEINFLRQLYEEIPELQSQISDTSVVLSDSSRSLDMDNTIAEVKAQYKLHGYQELMKVKLA
LDIEIATYRKLLDGEESRLDSFSHTSSTRAVVVKNIETHEGKLVSESSDVLPK

3407/6881
FIGURE 3141

GGGAAGGGGATTGGATTGTTGCGCCTCTGCTCTGAAGAAAGTGCTGTCTGGCTCCAACCTCCAGTTCTTTCCCT
GAGCAGCGCTTGGAAACCTAACCTTCCCCTCTGTACCTTCTCGATCCCGCCGGCGCTTTAGAGCCGCAGTCCA
GTCTTGGATCCTTCAGAGCCTTAGCCACTAGCTGCGATGCATGTGATCAAGCGAGATGGCCGCCAAGAACGAGTC
ATGTTTGACAAAAATTACATCTCGAATCCAGAAGCTTTGTTATGGACTCAATATGGATTTTGTGATCCTGCTCAG
ATCACCATGAAAGTAATCCAAGGCTTGACAGTGGGGTCACCACAGTGGAACTAGATACTTTGGCTGCTGAAACA
GCTGCAACCTTGACTACTAAGCACCTGACTATGCTATCCTGGCAGCCAGGATCGCTGTCTCTAACTTGCACAAA
GAAACAAAGAAAGTGTTCAGTGATGTGATGGAAGACCTCTATACTACATAAATCCACATAATGGCAAACACTCT
CCCATGGTGGCCAAGTCAACATTGGATATTGTTCTGGCCAATAAAGATCGCCTGAATTCTGCTATTATCTATGAC
CGAGATTTCTCTTACAATTACTTCGGCTTTAAGACGCTAGAGCGGTCTTATTTGTTGAAGATCAATGGAAAAGTG
GCTGAAAGACCACAACATATGTTGATGAGAGTATCTGTTGGGATCCACAAAGAAGACATTGATGCAGCAATTGAA
ACATATAATCTTCTTTCTGAGAGGTGGTTTACTCATGCTTCGCCACTCTCTTCAATGCTGGTACCAACCGCCCA
CAACTTTCTAGCTGTTTTCTTCTGAGTATGAAAGATGACAGCATTGAAGGCATTTATGACACTCTAAAGCAATGT
GCATTGATTTCTAAGTCTGCTGGAGGAATTGGTGTGCTGTGAGTTGTATTCGGGCTACTGGCAGCTACATTGCT
GGGACTAATGGCAATTCCAATGGCCTTGACCGATGCTGAGAGTATATAACAACACAGCTCGATATGTGGATCAA
GGTGGGAACAAGCGTCTCGGGCATTGCTATTTACCTGGAGCCTTGGCATTTAGACATCTTTGAATTCCTTGAT
TTAAAGAAGAACACAGGAAGGAAGAGCAGCGTGCCAGAGATCTTTTCTTTGCTCTTTGGATTCCGGATCTCTTC
ATGAAACGAGTGGAGACTAATCAGGACTGGTCTTTGATGTGTCCAAATGAGTGTCTGGTCTGGATGAGGTTTGG
GGAGAGGAATTTGAGAACTATATGCAAGTTATGAGAAACAAGGTCGTGTCCGCAAAGTTGTAAGGCTCAGCAG
CTTTGGTATGCCATCATTGAGTCTCAGACGGAACAGGCACCCCGTATATGCTCTACAAAGATTCTGTAAATCGA
AAGAGCAACCAGCAGAACCTGGGAACCATCAAATGCAGCAACCTGTGCACAGAAATAGTGGAGTACACCAGCAAA
GATGAGGTTGCTGTTTGTAAATTTGGCTTCCCTGGCCCTGAATATGTATGTACATCAGAACACACATACGACTTT
AAGAAGTTGGCTGAAGTCACTAAAGTCGTTGTCCGAAACTTGAATAAAATTATTGATATAAACTACTATCCTGTA
CCAGAGGCATGCCTATCAAATAAACGCCATCGCCCCATTGGAATTGGGGTACAAGGTCTGGCAGATGCTTTTATC
CTGATGAGATACCTTTTTGAGAGTGCAGAAGCCAGTTACTGAATAAGCAGATCTTTGAACTATTTATTATGGT
GCTCTGGAAGCCAGCTGTGACCTTGCCAAGGAGCAGGGCCCATACGAAACCTATGAGGGCTCTCCAGTTAGCAAA
GGAATTTCTTCAGTATGATATGTGGAATGTTACTCTACAGACCTATGGGACTGGAAGGTTCTCAAGGAGAAGATT
GCAAAGTATGGTATAAGAAACAGTTTACTTATTGCCCCGATGCCTACAGCTTCCACTGCTCAGATCCTGGGGAAT
AATGAGTCCATTGAACCTTACACCAGCAACATCTATACTCGCAGAGTCTTGTGAGGAGAATTTAGATTGTAAAT
CCTCACTTATTGAAAGATCTTACCGAGCGGGCCTATGGCATGAAGAGATGAAAAACCAGATTATTGCATGCAAT
GGCTCTATTTCAGAGCATACCAGAAATTCCTGATGACCTGAAGCAACTTTATAAACTGTGTGGGAAATCTCTCAG
AAAAGTGTCTCAAGATGGCAGCTGAGAGAGGTGCTTTCATTGATCAAAGCCAATCTTTGAACATCCACATTGCT
GAGCCTAACTATGGCAAACCTACTAGTATGCACCTTCTACGGCTGGAAGCAGGGTTTGAAGACTGGGATGTATTAT
TTAAGGACAAGACCAGCGGCTAATCCAATCCAGTTCACCTCTAAATAAGGAGAAGCTAAAAGATAAAGAAAAGGTA
TCAAAAGAGGAAGAAGAGAAGGAGAGGAACACAGCAGCCATGGTGTGCTCTTTGGAGAATAGAGATGAATGTCTG
ATGTGTGGATCCTGAGGAAAGACTTGAAGAGACCAGCATGTCTTCAGTAGCCAACTACTTCTTGAGCATAGAT
AGGTATAGTGGGTTTGCTTGAGGTGGTAAGGCTTTGCTGGACCCTGTTGCAGGCAAAAGGAGTAATTGATTTAAA
GTACTGTTAATGATGATAATGATTTTTTTTTTAACTCATATATTGGGATTTTCACCAAATAATGCTTTTGAAA
AAAAGAAAAAAAACCGATATATTGAGAATCAAAGTAGAAGTTTTAGGAATGCAAAATAAGTCATCTTGATAC
AGGGAGTGGTTAAGTAAGGTTTCATCCCCCTTTAGCACTGCTTTTCTGAAGACTTCAGTTTTGTTAAGGAGATT
TAGTTTTACTGCTTTGACTGGTGGGTCTCTAGAAGCAAACTGAGTGATAACTCATGAGAAGTACTGATAGGACC
TTTATCTGGATATGGTCCTATAGGTTATTCTGAAATAAAGATAAACATTTCTAAGTG

3408/6881
FIGURE 3142

ACACTCGCTTCTGGAACGTCTGAGATTATCAATAAGCTCCTAGTCCAGACGCCATGGGTCATTTCACAGAGGAGG
ACAAGGCTACTATCACAAGCCTGTGGGGCAAGGTGAATGTGGAAGATGCTGGAGGAGAAACCCTGGGAAGGCTCC
TGGTTGTCTACCCATGGACCCAGAGGTTCTTTGACAGCTTTGGCAACCTGTCCTCTGCCTCTGCCATCATGGGCA
ACCCCAAAGTCAAGGCACATGGCAAGAAGGTGCTGACTTCCTTGGGAGATGCCATAAAGCACCTGGATGATCTCA
AGGGCACCTTTGCCCAGCTGAGTGAAGTGCAGTGTGACAAGCTGCATGTGGATCCTGAGAACTTCAAGCTCCTGG
GAAATGTGCTGGTGACCGTTTTGGCAATCCATTTGCGCAAAGAATTCACCCCTGAGGTGCAGGCTTCCTGGCAGA
AGATGGTGACTGCAGTGGCCAGTGCCCTGTCCTCCAGATACCACTGAGCCTCTTGCCCATGATTCAGAGCTTTCA
AGGATAGGCTTTATTCTGCAAGCAATACAAATAATAAATCTATTCTGCTGAGAGATCAC

3409/6881
FIGURE 3143

MGHFTEEDKATITSLWGKVNVEDAGGETLGRLLVVYPWTQRFFDSFGNLSSASAIMGNPKVKAHGKKVLTSLGDA
IKHLDDLKGTFAQLSELHCDKLHVDPENFKLLGNVLVTVLAIHFGKEFTPEVQASWQKMVTAVASALSSRYH

3410/6881
FIGURE 3144

ACACTCGCTTCTGGAACGTCTGAGGTTATCAATAAGCTCCTAGTCCAGACGCCATGGGTCATTTACAGAGGAGG
ACAAGGCTACTATCACAAAGCCTGTGGGGCAAGGTGAATGTGGAAGATGCTGGAGGAGAAACCCTGGGAAGGCTCC
TGGTTGTCTACCCATGGACCCAGAGGTTCTTTGACAGCTTTGGCAACCTGTCCTCTGCCTCTGCCATCATGGGCA
ACCCCAAAGTCAAGGCACATGGCAAGAAGGTGCTGACTTCCTTGGGAGATGCCATAAAGCACCTGGATGATCTCA
AGGGCACCTTTGCCCAGCTGAGTGAACTGCACTGTGACAAGCTGCATGTGGATCCTGAGAACTTCAAGCTCCTGG
GAAATGTGCTGGTGACCGTTTTGGCAATCCATTTGGCAAAGAATTACCCCTGAGGTGCAGGCTTCCTGGCAGA
AGATGGTGACTGGAGTGGCCAGTGCCCTGTCCTCCAGATACCACTGAGCTCACTGCCCATGATGCAGAGCTTTCA
AGGATAGGCTTTATTCTGCAAGCAATACAAATAATAAATCTATTCTGCTAAGAGATCAC

3411/6881
FIGURE 3145

MGHFTEEDKATITSLWGKVNVEDAGGETLGRLLVVYPWTQRFFDSFGNLSSASAIMGNPKVKAHGKKVLTSLGDA
IKHLDDLKGTFAQLSELHCDKLHVDPENFKLLGNVLVTVLAIHFGKEFTPEVQASWQKMTGVASALSSRYH

3412/6881
FIGURE 3146

CAACAAAAAAGAGCCTCAGGATCCAGCACACATTATCACAACTTAGTGTCCATCCATCACTGCTGACCCTCTCC
GGACCTGACTCCACCCCTGAGGACACAGGTCAGCCTTGACCAATGACTTTTAAGTACCATGGAGAACAGGGGGCC
AGAACTTCGGCAGTAAAGAATAAAAGGCCAGACAGAGAGGCAGCAGCACATATCTGCTTCCGACACAGCTGCAAT
CACTAGCAAGCTCTCAGGCCTGGCATCATGGTGCATTTTACTGCTGAGGAGAAGGCTGCCGTCCTAGCCTGTGG
AGCAAGATGAATGTGGAAGAGGCTGGAGGTGAAGCCTTGGGCAGACTCCTCGTTGTTTACCCCTGGACCCAGAGA
TTTTTTGACAGCTTTGGAAACCTGTCGTCTCCCTCTGCCATCCTGGGCAACCCCAAGGTCAAGGCCCATGGCAAG
AAGGTGCTGACTTCCTTTGGAGATGCTATTAAAAACATGGACAACCTCAAGCCCGCCTTTGCTAAGCTGAGTGAG
CTGCACTGTGACAAGCTGCATGTGGATCCTGAGAACTTCAAGCTCCTGGGTAACGTGATGGTGATTATTCTGGCT
ACTCACTTTGGCAAGGAGTTCACCCCTGAAGTGCAGGCTGCCTGGCAGAAGCTGGTGTCTGCTGTCGCCATTGCC
CTGGCCCATAGTACCACTGAGTTCCTTCCAGTTTGCAGGTCTTCCTGTGACCCTGACACCCTCCTTCTGCACA
TGGGACTGGGCTTGGCCTTGAGAGAAAGCCTTCTGTTTAATAAAGTACATTTTCTTCAGTAATC

3413/6881
FIGURE 3147

MVHFTAEEKAAVTSLSKMNVEEAGGEALGRLLVVYPWTQRFFDSFGNLSSPSAILGNPKVKAHGKKVLTSGDA
IKNMDNLKPAFAKLSELHCDKLHVDPENFKLLGNVMVILATHFGKEFTPEVQAAWQKLVSVAIALAHKYH

3414/6881
FIGURE 3148

CTCTTCTCCCCTGATTCAAGACTCCTCTGCTTTGGACTGAAGCACTGCAGGAGTTTGTGACCAAGAACTTCAAGA
GTCAAGACAGAAGGAAGCCAAGGGAGCAGTGCAATGGATTTCTCAGTAAAGGTAGACATAGAGAAGGAGGTGACC
TGCCCCATCTGCCTGGAGCTCCTGACAGAACCTCTGAGCCTAGATTGTGGCCACAGCTTCTGCCAAGCCTGCATC
ACTGCAAAGATCAAGGAGTCAGTGATCATCTCAAGAGGGGAAAGCAGCTGTCTGTGTGTGACACCAGATTCCAG
CCTGGGAACCTCCGACCTAATCGGCATCTGGCCAACATAGTTGAGAGAGTCAAAGAGGTCAAGATGAGCCACAG
GAGGGGCAGAAAGAGAGATGTCTGTGAGCACCACGAAAAAACTCCAGATCTTCTGTAAGGAGGATGGAAAAGTC
ATTTGCTGGGTTTGTGAAGTGTCTCAGGAACACCAAGGTCAACAAACATTCCGCATAAAGAGGTGGTCAAGGAA
TGTCAGGAAAAGCTGCAGGTAGCCCTGCAGAGGCTGATAAAGGAGAATCAAGAGGCTGAGAAGCTGGAAGATGAC
ATCAGACAAGAGAGAACCGCCTGGAAGATCGAGAGACAGAAGATTCTGAAAGGGTTCAATGAAATGAGAGTCATC
TTGGACAATGAGGAGCAGAGAGAGCTGCAAAAGCTGGAGGAAGGTGAGGTGAATGTGCTGGATAACCTGGCAGCA
GCTACAGACCAGCTGGTCCAGCAGAGGCAGGATGCCAGCACGCTCATCTCAGATCTCCAGCGGAGGTTGACGGGA
TCGTCAGTAGAGATGCTGCAGGATGTGATTGACGTGATGAAAAGGAGTGAAAGCTGGACATTGAAGAAGCCAAAA
TCTGTTTCCAAGAACTAAAGAGTGTATTCCGAGTACCAGATCTGAGTGGGATGCTGCAAGTTCTTAAAGAGCTG
ACAGATGTCCAGTACTACTGGGTGGACGTGATGCTGAATCCAGGCAGTGCCACTTCGAATGTTGCTATTTCTGTG
GATCAGAGACAAGTGAAGTGTACGCACCTGCACATTTAAGAATTCAAATCCATGTGATTTTTCTGCTTTTGGT
GTCTTCGGCTGCCAATATTTCTCTTCGGGGAATATTACTGGGAAGTAGATGTGTCTGGAAAGATTGCCTGGATC
CTGGGCGTACACAGTAAATAAGTAGTCTGAATAAAGGAAGAGCTCTGGGTTTGCTTTTGATCCAAGTGTAAT
TATTCAAAAGTTTACTCCAGATATAGACCTCAATATGGCTACTGGGTTATAGGATTACAGAATACATGTGAATAT
AATGCTTTTGAGGACTCCTCCTCTTCTGATCCCAAGGTTTGGACTCTCTTATGGCTGTGCTCCCTGTCGTATTG
GGGTTTTCTAGACTATGAGGCAGGCATTGTCTCATTTTTCAATGTCACAAACCAGGAGCACTCATCTACAAGT
TCTCTGGATGTGCTTTTTCTCGACCTGCTTATCCGTATTTCAATCCTTGGAAGTGCCTAGTCCCCATGACTGTGT
GCCCCAGGCTCCTGAGTGTTCTCATTCTTTTACCCACTTCTGCATAGTAGCCCTTGTGCTGAGACTCAGATTC
TGCACCTGAGTTCATCTCTACTGAGACCATCTCTCTCTTTCTTTCCCTTCTTTTACTTAGAATGTCTTTGTATT
CATTTGCTAGGGCTTCCATAGCAAAGCATCATAGATTGCTGATTTAAACTGTAATTGTATTGCCGTACTGTGGGC
TGGAATCCCAAATCTAGATTCCAGCAGAGTTGGTTCTTTCTGAGGTCTGCAAGGAAGGGCTCTGTTCCATGCCT
CTCTCCTTGGCTTGTAAGAAGGCATCTTGTCCTATGACTCTTCACATTGTCTTTATGTACATCTCTGTGCCAAG
TTTTCCCTTTTTTATTAAGACACCAGTCATACTGGCTCAGGGCCACCGCTAATGCCTTAATGAAATCATTTTAAC
ATTATATTCTCTACAAAGACCTTATTTCCAAATAAGATAATATTTGGAGGTATTGGGAATAAAAACTCCAACATA
TAAATTTGAGGAAGGCACGATTTCACTCATAACAATCTTACCCTTTCTTGCAAGAGATGCTTGTACATAATTTTC
CTAATACCTTGGTTTCACTAGTAGTAAACATTATTATTTTTTTTATATTTGCAAGGAAACATATCTAATCCTTC
CTATAGAAAGAACAGTATTGCTGTAATGTCCTTTTTCTTTCTTCTCATTTCCTCTGCCCTTAAAAGATTGAAG
AAAGAGAACTTGTCAACTCATATCCACGTTATCTAGCAAAGTACATAAGAATCTATCACTAAGTAATGTATCCT
TCAGAATGTGTTGGTTTACCAGTGACACCCCATATTATCACAAAATTAAAGCAAGAAGTCCATAGTAATTTATT
TGCTAATAGTGGATTTTTAATGCTCAGAGTTTCTGAGGTCAAATTTTATCTTTTCACTTACAAGCTCTATGATCT
TAAATAATTTACTTAATGTATTTTGGTGTATTTTCTCAAATTAATATTGGTGTTCAGACTATATCTAATTCCT
CTGATCACTTTGAGAAACAACTTTTATTAAATGTAAGGCACTTTCTATGAATTTTAAATATAAAAAATAATAT
TGTTCTGATTATTACTGAAAAGATGTCAGCCATTTCAATGTCTTGGGAACAATTTTTTGTCTTTGTTCTGTTTT
CTTTTTGCTTCAATAAAACAATAGCTGGCTCT

3415/6881
FIGURE 3149

GGCACGAGGCTGAGCGCTCCGACTTCCAGAGGAGCGCTGTGCACGTGGAGAAGAGCGGGGACTCGGCGACCCTGC
CCTCCCGACCCCTC**ATG**TTTCGAAGAGCCTGAGTGGGCCGAGGCGGCCCCAGTAGCCGCGGGCCTTGGGCCCGTAAT
CTCACGACCTCCGCCTGCGGCCTCCTCGCAAAACAAGGGCTCCAAGCGCCGCCAGCTCTTGGCCACATTACGGGC
CCTAGAGGCAGCATCTCTTTCCCAGCATCCCCCAGCCTATGTATAAGTGACTCTGAGGAGGAGGAGGAGGAAAG
GAAGAAGAAATGCCCCAAAAGGCATCATTTGCCAGTGCCTCTGCTGAAGTAGGGAAGAAAGGGAAGAAGAAATG
TCAAAAACAGGGCCCCACCTTGCACTGACTCTGAGGAAGAAAGTAGAAAGGAAGAAGAAATGCCACAAACAGGCTCT
TGTGAGCAGTGAAGATGAGAAAAGAAAGAGGAAATGCCAGAAACATGCCCTATAAATTCAGCCCCA
GCACCTGGACAATGTTGACCAAACAGGTCCCAAAGCCTGGAAGGGTAGTACTACAAATGATCCACCAAAGCAAAG
CCCTGGGTCCACTTCCCCTAAACCCCTCATACATTAAGCCGCAAGCAGTGGCGGAACCGGCAAAAGAATAAGAG
AAGATGTAAGAACAAGTTTCAGCCACCTCAGGTGCCAGACCAGGCCCCAGCTGAGGCCCCACAGAGAAGACAGA
GGTGTCTCCTGTTCCAGGACAGACAGCCATGAGGCTCGGGCAGGGGCTTTGCGAGCCCGCATGGCACAGCGGCT
GGATGGGGCCCCGATTTGCTACCTCAATGAACAGTTGTACTCAGGGCCCAGCAGTGTGTCACAGCGTCTCTTCCA
GGAAGACCCTGAGGCTTTTCTTCTCTACCACGCGGCTTCCAGAGCCAAGTGAAGAAGTGGCCACTGCAGCCAGT
GGACCGCATCGCCAGGGATCTTCGCCAGCGGCCTGCATCCCTAGTGGTGGCTGACTTCGGCTGTGGGGATTGCCG
CTTGGCTTCAAGTATCCGGAACCCTGTGCATTGCTTTGACTTGGCTTCTCTGGACCCTAGGGTCACTGTGTGTGA
CATGGCCCAGGTTCTCTGGAGGATGAGTCTGTGGATGTGGCTGTGTTTTGCCTTTCACTGATGGGAACCAACAT
CAGGGACTTCCTAGAGGAGGCAAATAGAGTACTGAAGCCAGGGGGTCTCCTGAAAGTGGCTGAGGTCAGCAGCCG
CTTTGAGGATGTTTCAACCTTTCTGCGGGCTGTGACCAAGCTAGGCTTCAAGATTGTCTCCAAGGACCTGACCAA
CAGCCATTTCTTCTTGTGTTGATTTCCAAAAGACTGGGCCCCCTCTGGTAGGGCCCAAGGCTCAGCTTTAGGCCT
GCAGCTTCAGCCATGTCTCTACAAGCGCAGG**TG**ACCTCTGGATCTTCCTTGAAAGGGGAGGCAGATCTCAAATC
CAGGCTCAGAACTGTGAAGACTGTTTCCAGCCTGGCTGTGAGCCAAGACCTGGTTTCTGGTGGACCCTGAGGACA
AAGTGTGATAAAACCTCTGGCTCAGACTTGCTCTACTGAAGGCTTCTTGTTTATAAGATGCATAAAGTCACTGGG
GCTAGCTAAACAATAAAGAGTTTATTGTGAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

3416/6881
FIGURE 3150

MFEEPEWAEAAPVAAGLGPVISRPPPAASSQNKGSKRRQLLATLRALEAASLSQHPPSLCISDSEEEEEERKKKC
PKKASFASASAEVGGKGGKKKCQKQGPPCSDSEEEVERKKKCHKQALVGSDSAEDEKRKRKCQKHAPINSAQHLDN
VDQTGPKAWKGSTTNDPPKQSPGSTSPKPPHTLSRKQWRNRQKNKRRCKNKFQPPQVPDQAPAEAPTEKTEVSPV
PRTDSHEARAGALRARMQRLDGARFRYLNEQLYSGPSSAAQRLFQEDPEAFLLYHRGFQSQVKKWPLQPVDRIA
RDLRQRPASLVVADFGCGDCRLASSIRNPVHCFDLASLDPRVTVCDMAQVPLEDESVDVAVFCLSLMGTNIRDFL
EEANRVLKPGGLLKVAEVSSRFEDVRTFLRAVTKLGFKIVSKDLTNSHFFLFDFQKTGPPLVGPKAQLSGLQLQP
CLYKRR

3417/6881
FIGURE 3151

ACGGGAGTTCCCCGGAGAAGGATCCTGCAGCCCGAGTCCCGAGGATAAAGCTTGGGGTTCATCCTCCTTCCTTGG
ATCACTCCACAGTCCCTCAGGCTTCCCAATCCAGGGGACTCGGCGCCGGGACGCTGCTATGGACGACATTTTCAC
TCAGTGCCGGGAGGGCAACGCAGTCGCCGTTTCGCCTGTGGCTGGACAACACGGAGAACGACCTCAACCAGGGGGA
CGATCATGGCTTCTCCCCCTTGCACTGGGCCTGCCGAGAGGGCCGCTCTGCTGTGGTTGAGATGTTGATCATGCG
GGGGGCACGGATCAATGTAATGAACCGTGGGGATGACACCCCCCTGCATCTGGCAGCCAGTCATGGACACCGTGA
TATTGTACAGAAGCTATTGCAGTACAAGGCAGACATCAATGCAGTGAATGAACATGGGAATGTGCCCTGCACTA
TGCTGTTTTTTGGGGCCAAGATCAAGTGGCAGAGGACCTGGTGGCAAATGGGGCCCTTGTGAGCATCTGTAACAA
GTATGGAGAGATGCCTGTGGACAAAGCCAAGGCACCCCTGAGAGAGCTTCTCCGAGAGCGGGCAGAGAAGATGGG
CCAGAATCTCAACCGTATTCCATACAAGGACACATTCTGGAAGGGGACCACCCGCACTCGGCCCCGAAATGGAAC
CCTGAACAAACACTCTGGCATTGACTTCAAACAGCTTAACTTCTGACGAAGCTCAACGAGAATCACTCTGGAGA
GCTATGGAAGGGCCGCTGGCAGGGCAATGACATTGTGCTGAAGGTGCTGAAGGTTTCGAGACTGGAGTACAAGGAA
GAGCAGGGACTTCAATGAAGAGTGTCCCCGGCTCAGGATTTTCTCGCATCCAAATGTGCTCCCAGTGCTAGGTGC
CTGCCAGTCTCCACCTGCTCCTCATCCTACTCTCATCACACACTGGATGCCATATGGATCCCTCTACAATGTACT
ACATGAAGGCACCAATTTTCGTGCTGGACCAGAGCCAGGCTGTGAAGTTTGCTTTGGACATGGCAAGGGGCATGGC
CTTCTACACACACTAGAGCCCCCTCATCCCACGACATGCACTCAATAGCCGTAGTGTAATGATTGATGAGGACAT
GACTGCCCCGAATTAGCATGGCTGATGTCAAGTTCTCTTTCCAATGTCCTGGTCGCATGTATGCACCTGCCTGGGT
AGCCCCGAAGCTCTGCAGAAAGAAGCCTGAAGACACAAACAGACGCTCAGCAGACATGTGGAGTTTTGCAGTGCT
TCTGTGGGAAGTGGTGACACGGGAGGTACCCTTTGCTGACCTCTCCAATATGGAGATTGGAATGAAGGTGGCATT
GGAAGGCCTTCGGCCTACCATCCCACCAGGTATTTCCCCTCATGTGTGTAAGCTCATGAAGATCTGCATGAATGA
AGACCCTGCAAAGCGACCCAAATTTGACATGATTGTGCCTATCCTTGAGAAGATGCAGGACAAGTAGGACTGGAA
GGTCTTTGCCTGAACTCCAGAGGTGTGCGGACATGGTTGGGGGAATGCACCTCCCCAAAGCAGCAGGCCTCTGGT
TGCTCCCCCGCCTCCAGTCATGGTACTACCCAGCCATGGGGTCCATCCCCTTCCCCCATCCCTACCACTGTGG
CCCCAAGAGGGGCGGGCTCAGAGCTTTGTCACTTGCCACATGGTGTCTCCCAACATGGGAGGGATCAGCCCCGCC
TGTCACAATAAAGTTTATTATG

3418/6881
FIGURE 3152

ACATGACAGCAGATCCGCGGAAGGGCAGAATGGGACTCCAAGCCTGCCTCCTAGGGCTCTTTGCCCTCATCCTCT
CTGGCAAAATGCAGTTACAGCCCGGAGCCCGACCAGCGGAGGACGCTGCCCCAGGCTGGGTGTCCCTGGGCCGTG
CGGACCTTGAGGAAGAGCTGAGTCTCACCTTTGCCCTGAGACAGCAGAATGTGGAAGACTCTTGAGCTGGTGC
AGGCTGTGTGGATCCCAGCTCTCCTCAATACGGAATACTTGACCCTAGAGAATGTGGCTGATCTGGTGAGGC
CATCCCCACTGACCTCCACACGGTGCAAAATGGCTCTTGCGAGCCGGAGCCCAGAAGTGCCATTCTGTGATCA
CACAGGACTTTCTGACTTGCTGGCTGAGCATCCGACAAGCAGAGCTGCTGCTCCCTGGGGCTGAGTTTCATCACT
ATGTGGGAGGACCTACGGAGACCATGTTGTAAGGTCCCCACATCCCTACCAGCTTCCACAGGCCTTGGCCCCC
ATGTGGACTTTGTGGGGGACTGCACCGTTTTTCCCCAACATCATCCCTGAGGCAACGTCCTGAGCCGAGGTGA
CAGGGACTGTAGGCCTGCATCTGGGGGTAACCCCTCTGTGATCCGTAAGCGATAACAATTGACCTCACAAGACG
TGGGCTCTGGCACCAGCAATAACAGCCAAGCCTGTGCCAGTTTCTGGAGCAGTATTTCCATGACTCAGACCTGG
CTCAGTTTCATGCGCTCTTCGGTGGCAACTTTGCACATCAGGCATCAGTAGCCCGTGTGGTTGGACAACAGGGCC
GGGGCCGGGCGGGATTGAGGCCAGTCTAGATGTGCAGTACCTGATGAGTGCTGGTGCCAACATCTCCACCTGGG
TCTACAGTAGCCCTGGCCGGCATGAGGGACAGGAGCCCTTCTGCAGTGGCTCATGCTCAGTAATGAGTCAG
CCCTGCCACATGTGCATACTGTGAGCTATGGAGATGATGAGGACTCCCTCAGCAGCGCCTACATCCAGCGGGTCA
ACACTGAGCTCATGAAGGCTGCCGCTCGGGGTCTCACCTGCTCTTCGCCTCAGGTGACAGTGGGGCCGGGTGTT
GGTCTGTCTCTGGAAGACACCAGTTCCGCCCTACCTTCCCTGCCTCCAGCCCCATGTCCACACAGTGGGAGGCA
CATCCTTCCAGGAACCTTTCTCATCACAAATGAAATTGTTGACTATATCAGTGGTGGTGGCTTCAGCAATGTGT
TCCCACGGCCTTCATACCAGGAGGAAGCTGTAACGAAGTTCCTGAGCTCTAGCCCCACCTGCCACCATCCAGTT
ACTTCAATGCCAGTGGCCGTGCCTACCCAGATGTGGCTGCACCTTTCTGATGGCTACTGGGTGGTCAGCAACAGAG
TGCCCATTTCCATGGGTGTCCGGAACCTCGGCCTCTACTCCAGTGTGTTGGGGGGATCCTATCCTTGATCAATGAGC
ACAGGATCCTTAGTGCCCGCCCCCTCTTGGCTTTCTCAACCCAAGGCTCTACCAGCAGCATGGGGCAGGACTCT
TTGATGTAACCCGTGGCTGCCATGAGTCCTGTCTGGATGAAGAGGTAGAGGGCCAGGGTTTCTGCTCTGGTCCTG
GCTGGGATCCTGTAACAGGCTGGGGAACACCCAACTTCCAGCTTTGCTGAAGACTCTACTCAACCCCTGACCCCT
TTCTATCAGGAGAGATGGCTTGTCCCTGCCCTGAAGCTGGCAGTTCAGTCCCTTATTCTGCCCTGTTGGAAGC
CCTGCTGAACCCCTCAACTATTGACTGCTGCAGACAGCTTATCTCCCTAACCCCTGAAATGCTGTGAGCTTGACTTG
ACTCCCAACCCCTACCATGCTCCATCATACTCAGGTCTCCCTACTCCTGCCTTAGATTCTCTCAATAAGATGCTGTA
ACTAGCATTTTTTGAATGCCTCTCCCTCCGCATCTCATCTTTCTCTTTTCAATCAGGCTTTTCCAAAGGGTTGTA
TACAGACTCTGTGCATATTTCACTTGATATTCAATCCCCAATTCAGTGAAGGAGACCTCTACTGTCACCGTTT
ACTCTTTCCCTACCCCTGACATCCAGAAACAATGGCCTCCAGTGCATACTTCTCAATCTTTGCTTTATGGCCTTTCC
ATCATAGTTGGCCACTCCCTCTCCTTACTTAGCTTCCAGGTCTTAACCTTCTCTGACTACTCTTGTCTTCTCTCT
CATCAATTTCTGCTTCTTCATGGAATGCTGACCTTCATTGCTCCATTTGTAGATTTTGTCTTCTCAGTTTACT
CATTGTCCCTGGAACAAATCACTGACATCTACAACCATTAACATCTCACTAAATAAGACTTTCTATCCAATAAT
GATTGATACCTCAAATGTAAGATGCGTGATACTCAACATTTCAATCGTCCACCTTCCCAACCCCAACAATTCCAT
CTCGTTTCTTCTTGGTAAATGATGCTATGCTTTTTTCCAACCAAGCCAGAAACCTGTGTCATCTTTTACCCCCACC
TTCAATCAACAAGTCTCAATCAACAAGTCTACTGACTGCACATCTTAAATATATCTTTATCAGTCCACAAGTC
CTTCCAATTATATTTCCCAAGTATATCTAGAACTTATCCACTTATATCCCCACTGCTACTACCTTAGTTTAGGGC
TATATTCTCTTGAAAAAAGTGTCTTACTTCTCTGCCAATCCCCAAGTCATCTTCCAGAGTAAATGCAAATCCC
ATCAGGCCACTTGATGAAAACCCCTTCAAGGATTACTGGATAGAATTCAGGCTTTCCCTCCACCCCCAATCAT
AGCTCACAAACCTTCTTGCTATTTGTTCTTAAGTAAAAAATCATTTTCTCTCTCCCTCCCCAAACCCCAAGGA
ACTCTCACTCTTGCTCAAGCTGTTCCGTCCCTTACCACCCCTGATACAACTGCCAGGTAAATTTCCAGAATTCT
TGCAAGACTCAGTTCAGAAGTCACCTTCTTTCTGTAATGTTTGAATCCCTGAGGCTACTTTATTTTGGTATGGC
TGAAAAATCCTAGATTTTCTAAACAAAACCTGTTTGAATCTTGGTCTGATATGGACTAGGAGAGAGACTGGGTC
AAGTAAGCTTATCTCCCTGAGGCTGTTTCTCGTCTGTGAAGTGTGAATATCAATACCTGCCTTTTATAATCACC
AGGGAATAAAGTGAATAATGTTGATAACAGTGCTTGGCACCTGGAAGTAGGTGGCAGATGTTAACGCCCTTCTCT
CCCTTGCACTGCGCCCCCTGTGCCTACCTCTAGCATTGTAACGACCACATAGTATTGAAATGGCCAGTTTACTTG
TCTGCCCTTCTTTCCAAGACCGTTGGTGCCTAGAGGACTAGAATCGTGTCTTATTTAACTTTGTGTTCCAGGTC
CTAGCTCAGGAGTTGGCAAATAAGAATTAAATGTCTGCTACACCGAAA

GCTGTGCAGGAGGAGCGGCGCCCGGGCGCTCAGCGGACGCGACGATCGCCGGCCAAAGGGCGCGCGGTCCGACGGCGGGC
TGCCCGGAGGGGATCGCGGGCCTCGGAGACAGCGACTCGGACGATGCGCGGCTTCAGGCCCGCGCGAGCGGGC
GCTGCCCGGGGGGCTGACCGCGGGCCGGACGGCGCCCCAGCACGGGCGAGGGAGCCCGCGTTCGCGCGGAGGTCAG
GGAGCCTGAGCTGGAGCCAGGGCCCCAGTGGGACCTGACCCAAAGTCTGAGGTCAAGCTGGGCCCAGAGCCTGGC
CTGGAGCTGGAGCCCAAGGCACAGCTGGACTACCCTTGTCTATGCAGAAGGAGCTGGGCATTGTGCCTTCCTGCCC
TGGCATGAAGAGCCCCAGGCCCCACCTCCTGCTACCATTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGGGGGCTGGGGT
GCCAGGTGCTTGGGGTCAGGCTGGGAGCCTGGACTTGCAGATTGATGAGGAGCAGCCAGCGGGTACACTGATTGG
CGACATCAGTGCGGGGCTTCCGGCAGGCACGGCAGCTCCTCTCATGTACTTCATCTCTGCCCAAGAGGGCAGCGG
CGTGGGCACAGACCTGGCCATTGACGAACACAGTGGGGTCGTCCGTACAGCCCGTGTCTTGGACCGTGAGCAGCG
GGACCGCTACCCTTCACTGCAGTCACTCCTGATGGTGCCACCGTAGAAGTTACAGTGCAGGTGGCTGACATCAA
CGACCATGCTCCAGCCTTCCCACAGGCTCGGGCTGCCCTGCAGGTACCTGAGCATAACAGCTTTTGGCACCCGCTA
CCCCTGGAGCCTGCTCGTGTATGCAGATGCTGGGCGTCTGGGAACCCAGGGCTATGCGCTATCTGGTGTATGGGGC
TGGAGAGACCTTCCGGCTGGAGACACGCCCCGGTCCAGATGGGACTCCAGTACCTGAGCTGGTAGTTACTGGGGA
ACTGGACCGAGAGAACCCTCACACTATATGCTACAGCTGGAGGCCTATGATGGTGGTTTACCCCCCGGAGGGC
CCAGGCCCTGCTGGACGTGACACTGCTGGACATCAATGACCATGCCCCGGCTTTCAATCAGAGCCGCTACCATGC
TGTGGTGTCTGAGAGCCTGGCCCCCTGGCAGTCTGTCTTGCAGGTGTTTCGCATCTGATGCCGATGCTGGTGTCAA
TGGGGCTGTGACTTACGAGATCAACCGGAGGCAGAGCGAGGGTGATGGACCTTCTCCATCGACGCACACACGGG
GCTGCTGCAGTTAGAGCGGCCACTGGACTTTGAGCAGCGGCGGGTCCATGAACTGGTGGTGCAAGCACGAGATGG
TGGGGCTCACCCCTGAGCTGGGCTCGGCCTTTGTGACTGTGCATGTGCGAGATGCCAATGACAATCAGCCCTCCAT
GACTGTTCATCTTTCTCAGTGCAGATGGCTCCCCCAAGTGCTGAGGCGCCCCACCTGGACAGCTCGTTGCTCG
CATCTCTGTGTGACCCAGATGATGGTGACTTTGCCCATGTCAATGTGTCCCTGGAAGGTGGAGAGGGCCACTT
TGCCCTAAGCACCCAAGACAGCGTCATCTATCTGGTGTGTGTGGCTCGGCGGCTGGATCGAGAGGAGAGGGGATGC
CTATAACTTGAGGGTTACAGCCACAGACTCAGGCTCACCTCCACTGCGGGCTGAGGCTGCCTTTGTGCTGCACGT
CACTGATGTCAACGACAATGCACCTGCCTTTGACCGCCAGCTCTACCGACCTGAGCCCCCTGCCTGAGGTTGCGCT
GCCTGGCAGCTTTGTAGTGCGGGTGACTGCTCGGGATCCTGACCAAGGCACCAATGGTCAGGTCACTTATAGCCT
AGCCCCCTGGCGCCACACCCACTGGTTCTCCATTGACCCCACTCAGGCATTATCACTACGGCTGCCTCACTGGA
CTATGAGTTGGAACCTCAGCCACAGCTGATTGTGGTGGCCACAGATGGTGGCCTGCCCCCTCTAGCCTCCTCTGC
CACAGTTAGCGTGGCCCTGCAAGATGTGAATGATAATGAGCCCCAATTCCAGAGGACTTTCTACAATGCCTCACT
GCCTGAGGGCACCCAGCCTGGAACCTTGCTTCCTGCAGGTGACAGCCACAGACGCGGATAGTGGCCCATTTGGCCT
CCTCTCCTATTCTTTGGGTGCTGGACTTGGGTCTCCGGATCTCCCCCATTCGCGATTGATGCCACAGCGGTGA
TGTGTGCACAACCCGGACCTGGACCGTGACCAGGGGGCCCTCAAGCTTTGACTTCACAGTGACAGCTGTGGATGG
GGGAGGCCTCAAGTCCATGGTATATGTGAAGGTGTTTCTGTGTCAGACGAGAATGACAACCCTCCTCAGTTTTATCC
ACGGGAGTATGCTGCCAGTATAAGTGCCAGAGTCCACCAGGCACAGCTGTGCTGAGGTTGCGTGCCCATGACCC
TGACCAGGGATCCCATGGGCGACTCTCCTACCATATCCTGGCTGGCAACAGCCCCCACTTTTTACCTTGGATGA
GCAATCAGGGCTGTTGACAGTAGCCTGGCCCTTGGCCAGACGGGCCAATTCTGTGGTGCAGCTGGAGATCGGGGC
TGAGGACGGAGGTGGCCTACAGGCAGAACCCAGTGCCCGAGTGACATCAGCATTGTGCCTGGAACCCCCACACC
ACCCATATTTGAGCAACTACAGTATGTTTTTTCTGTGCCAGAGGATGTGGCACCAGGCACCAGTGTGGGCATAGT
CCAGGCACACAACCCACCAGGTGCTTGGCACCTGTGACCCCTTTCCTATCAGGTGGGGATCCCCGAGGACTCTT
CTCCCTAGATGCGGTATCAGGACTGTTGCAAACACTTCGCCCTCTGGACCGGGAGCTACTGGGACCAGTGTGGA
GCTGGAGGTGCGAGCAGGCAGTGGAGTGCCCCCAGCTTTCGCTGTAGCTCGGGTGCGTGTGCTGCTGGATGATGT
GAATGACAACCTCCCTGCCTTTCTGACCTGAAGACACGGTATTGCTACCACCAAACACTGCCCCAGGGACTCC
CATCTATACACTGCGGGCTCTTGACCCCGACTCAGGTGTTAACAGTGCAGTCACTTTACCCTGCTTGCTGGGGG
TGGTGGAGCCTTACCCTGGACCCCAACAGGCCATGTACGGCTTATGAGGCCTCTGGGGCCCTCAGGAGGGCC
AGCCCATGAGCTGGAGCTGGAGGCCCGGGATGGGGGCTCCCCACCACGCACCAGCCACTTTCGACTACGGGTGGT
GGTACAGGATGTGGGAACCCGTGGGCTGGCTCCCCGATTCAACAGCCCTACCTACCGTGTGGACCTGCCCTCAGG
CACCCTGCTGGAACTCAGGTCTTGCAAGTGCAGGCCCAAGCACCAGATGGGGGCCCTATACCTATCACCTTGC
AGCAGAGGGAGCAAGTAGCCCCCTTGGCCTGGAGCCACAGAGTGGGTGGCTATGGGTGCGGGCAGCACTAGACCG
TGAGGCCCAGGAATTGTACATACTGAAGGTAATGGCAGTGTCTGGGTCCAAAGCTGAGTTGGGGCAGCAGACAGG

3420/6881

FIGURE 3153B

CACAGCCACCGTGAGGGTCAGCATCCTCAACCAGAATGAACACAGTCCCCGCTTGCTCTGAGGATCCCACCTTCCT
GGCTGTGGCTGAGAACCAGCCCCAGGGACCAGCGTGGGCCGAGTCTTTGCCACTGACCGAGACTCAGGACCCAA
TGGACGTCTGACCTACAGCCTGCAACAGCTGTCTGAAGACAGCAAGGCCTTCCGCATCCACCCCCAGACTGGAGA
AGTGACCACACTCCAAACCCTGGACCGTGAGCAGCAGAGCAGCTATCAGCTCCTGGTGCAAGTGCAAGATGGAGG
GAGCCACCCCGCAGCACCACAGGCAGTGTGCATGTTGCAGTGCTTGACCTCAACGACAACAGCCCCACGTTTCCT
GCAGGCTTCAGGAGCTGCTGGTGGGGGCCTCCCTATACAGGTACCAGACCGCGTGCCTCCAGGAACACTGGTGAC
GACTCTGCAGGCGAAGGATCCAGATGAGGGGGAGAATGGGACCATCTTGACACGCTAACTGGTCCCTGGCTCAGA
GCTTTTCTCTCTGCACCCTCACTCAGGGGAGCTGCTCACTGCAGCTCCCTGATCCGAGCAGAGCGGCCCACTA
TGTGCTGACACTGAGTGCTCATGACCAAGGCAGCCCTCCTCGAAGTGCCAGCCTCCAGCTGCTGGTGCAAGTGCT
TCCCTCAGCTCGCTTGCGCCGAGCCGCCCCAGATCTCGCAGAGCGGGACCCAGCGGCACCAAGTGCCCTGCTGCT
GACGGTGACAGCAGCTGAGGGACTGCGGCCCGGCTCTCTGTTGGGCTCGGTGGCAGCGCCAGAGCCCGCGGGTGT
GGGTGCACTCACTACACTGAGTGGTGGGCGGTGCCGATCCCGAGGGCACCTTCGCGCTGGATGCGGCCTCAGGGCG
CTTGACCTGGCGCGGCCCTTGACTTCGAAGCTGGCCCGCGTGGCGCGCGCTACGGTACGCGCTGAGGGGCC
GGGAGGCGCGGGCGCGCGGCTGCTGCGAGTGCAGGTGCAAGTGACGACGAGAATGAGCATGCGCCCGCTTTGC
GCGCGACCCGCTGGCGCTGGCGCTGCCAGAGAACC CGAGCCCGGCGCAGCGCTGTACACTTTCCGCGCGTCCGA
CGCCGACGGCCCCGGCCCCAATAGCGACGTGCGCTACCGCTGCTGCGCCAGGAGCCGCCCCGTGCCGCGCTTCG
CCTGGACGCGCGCACCGGGGCGCTCAGCGCTCCGCGCGGCTGGACCGAGAGACCACTCCCGCGCTGCTGCTGCT
GGTGAAGCCACCGACCGGGCCCGCAACGCCAGCCGCGCTCGTGACGCGCGCTTTAGCGCGCGCTTTCTGCTAC
GGATGAGAATGACAACGCGCTGTCTTCGCTCGCGCTACGCGTGCGCTCCAGAGGACCAGCCGCTGGGGCC
CGCGGCCCTGCAGTGGTAGCCCGGGACCCGGATCTGGGCGAGGCTGCACGCGTGCTCTATCGGCTGGCATCTGG
CGGGGACGGCCACTTCGGGCTGCACTCAAGCACTGGAGCGCTGTCCGTGGTGCGGCCGTTGGACCGCGAACAACG
AGCTGAGCACGTACTGACAGTGGTGGCCTCAGACCACGGCTCCCCGCGCGCTCGGCCACGCAGGTCTTGACCGT
CAGTGTGCTGACGTCAACGACGAGGCGCCTACTTTCCAGCAGCAGGAGTACAGCGTCTCTTGCGTGAGAACAA
CCCTCCTGGCACATCTCTGCTCACCTGCGAGCAACCGACCCGACGTGGGGGCCAACGGGCAAGTGACTTATGG
AGGCGTCTCTAGCGAAAGCTTTTCTCTGGATCCTGACACTGGTGTCTCACGACTCTTCGGGGCCCTGGATCGAGA
GGAACAGGAGGAGATCAACCTGACAGTGTATGCCCAGGACAGGGGCTCACCTCCTCAGTTAACGCATGTCACTGT
TCGAGTGGCTGTGGAGGATGAGAATGACCATGCACCAACCTTTGGGAGTGCCATCTCTCTCTGGAGGTGCTGA
GGGCCAGGACCCCGAGACCCTTACCATGCTTCGGGCTCTGATCCAGATGTGGGAGCCAATGGGCAGTTGCAGTA
CCGCATCCTAGATGGGGACCCATCAGGAGCCTTTGTCCTAGACCTTGCTTCTGGAGAGTTTGGCACCATGCGGCC
ACTAGACAGAGAAGTGGAGCCAGCTTTCCAGCTGAGGATAGAGGCCCGGGATGGAGGCCAGCCAGCTCTCAGTGC
CACGCTGCTTTTGACAGTGACAGTGTGGATGCCAATGACCATGCTCCAGCCTTTCTGTGCTGCTGCTACTCGGT
GGAGGTGCCGGAGGATGTGCTGCTGAGGGACCTGCTGCTGACGCTACAGGCTCATGACCTGATGCTGGAGCTAA
TGGCCATGTGACCTACTACCTGGGCGCCGGTACAGCAGGAGCCTTCCTGCTGGAGCCAGCTCTGGAGAACTGCG
CACAGCTGCAGCCTTGACAGAGAACAGTGTCCAGCTACACCTTTTCTGTGAGTGCAGTGGATGGTGCACTGCTC
TGGGCCCCCTAAGCACACAGTGTCTGTACCATCACGGTGCAGGATGTCAATGACCATGCACCCACCTTCCCCAC
CAGTCTCTGCGCCTACGTCTGCCCCGCCAGGCCCGAGCTTCAGTACCCCAACCCTGGCTCTGGCCACACTGAG
AGCTGAAGATCGTGATGCTGGTGCCAATGCTTCCATCTGTACCGGCTGGCAGGCACACCACCTCCTGGCACTAC
TGTGGACTCTTACACTGGTGAATCCGCGTGGCCCGCTCTCCTGTAGCTCTAGGCCCGGAGATCGTGTCTCTT
CATTGTGGCCACTGATCTTGGCCGTCCAGCTCGCTCTGCCACTGGTGTGATCATTGTTGGACTGCAGGGGGAAGC
TGAGCGTGGACCCCGCTTTCCCCGGGCTAGCAGTGAGGCTACGATTCTGTGAGAATGCGCCCCAGGGACTCCTAT
TGTCTCCCCACGGCCGTCCATGCAGGAGGCACAAATGGACCCATCACCTACAGCATTCTCAGTGGGAATGAGAA
AGGGACATTCTCCATCCAGCCTAGTACAGGTGCCATCACAGTTCGCTCAGCAGAGGGGCTAGACTTCGAGGTGAG
TCCACGGCTGCGACTGGTGTGCTGACGACAGAGTGGAGGAGCCTTTGCCTTCACTGTGCTGACCTGACCTGCA
AGATGCCAACGACAATGCTCCCCGTTTCTGCGGCCCATATTGTGGCCTTCCTTCTGAGTCCCGGCCCTTGGGA
GGGGCCCCCTGCTGAGGTGGAGGCGGATGACCTGGATCAAGGCTCTGGAGGACAGATTTCTACAGTCTGGCTGC
ATCCAGCCGGCACGTGGATTGTTCCACGTAGACCCAAACCACAGGCACTATCACTACCACAGCCATCCTGGACCG
TGAGATCTGGGCTGAAACACGGTTGGTGTGATGGCCACAGACAGAGGGAGCCAGCCCTGGTGGGCTCAGCTAC
CTTGACGGTGATGGTTCATCGACACCAATGACAATCGCCCCACCATCCCCAACCTGGGAGCTCCGAGTGTGAGA

3421/6881
FIGURE 3153C

AGATGCGTTATTGGGCTCAGAGATTGCACAGGTAACAGGGAATGATGTGGACTCAGGACCCGTGCTGTGGTATGT
GCTAAGCCCATCTGGGCCCCAGGATCCCTTCAGTGTTGGCCGCTATGGAGGCGGTGTCTCCCTCACGGGGCCCCCT
GGACTTTGAGCAGTGTGACCGCTACCAGCTGCAGCTGCTGGCACATGATGGGCCTCATGAGGGCTGTGCCAACCT
CACAGTGCTTGTGGAGGATGTCAATGACAATGCACCTGCCTTCTCACAGAGCCTCTACCAGGTAATGCTGCTTGA
GCACACACCCCCAGGCAGTGCCATTCTCTCCGTCTCTGCCACTGATCGGGACTCAGGTGCCAACGGTCACATTTT
CTACCACCTGGCTTCCCCCTGCCGATGGCTTCAGTGTTGACCCCAACAATGGGACCCGTTCACAATAGTGGGAAC
AGTGGCCCTTGGGCCATGACGGGTGAGGAGCAGTGGATGTGGTGTGGAAGCACGAGACCACGGGGCTCCAGGCCG
GGCAGCACGAGCCACAGTGCACGTGCAGCTGCAGGACCAGAACGACCACGCCCCGAGCTTCACATTGTCACACTA
CCGTGTGGCTGTGACTGAAGACCTGCCCCCTGGCTCCACTCTGCTCACCCCTGGAGGCTACAGATGCTGATGGAAG
CCGAGCCATGCCGCTGTGGACTACAGCATCATCAGTGGCAACTGGGGCCGAGTCTTCCAGCTGGAACCCAGGCT
GGCTGAGGCTGGGGAGAGTGTGGACCAGGCCCCCGGGCACTGGGCTGCCTGGTGTGCTTGAACCTCTAGACTT
TGAAAGCCTGCACAGTACAATCTAACAGTGGCTGCAGCTGACCGTGGGCAGCCACCCCAAGCTCAGTCGTGCC
AGTCACTGTCACTGTACTAGATGTCAATGACAACCCACCTGTCTTTACCCGAGCATCCTACCGTGTGACAGTACC
TGAAGACACACCTGTTGGAGCTGAGCTGCTGCATGTAGAGGCCTCTGACGCTGACCCCTGGCCCTCATGGCCTCGT
GCGTTTCACTGTGAGCTCAGGCGACCCATCAGGGCTCTTTGAGCTGGATGAGAGCTCAGGCACCTTGCGACTGGC
CCATGCCCTGGACTGTGAGACCCAGGCTCGACATCAGCTTGTAGTACAGGCTGCTGACCCCTGCTGGTGCACACTT
TGCTTTGGCACCAGTGACAATTGAGGTCCAGGATGTGAATGATCATGGCCAGCCTTCCCACTGAACTTACTCAG
CACCAGCGTGGCCGAGAATCAGCCTCCAGGCACCTCTCGTGACCCTCTGCATGCAATCGACGGGGATGCTGGGGC
TTTTGGGAGGCTCCGTTACAGCCTGTTGGAGGCTGGGCCAGGACCTGAGGGCCGTGAGGCATTTGCACTGAACAG
CTCAACAGGGGAGTTGCGTGC GCGAGTGCCTTTGACTATGAGCACACAGAAAGCTTCCGGCTGCTGGTGGGTGC
TGCTGATGCTGGGAATCTCTCAGCCTCTGTCACTGTGTGCGGTGCTAGTGACTGGAGAGGATGAGTATGACCCCTGT
ATTTCTGGCACCAGCTTTTCCACTTCCAAGTGCCCGAAGGTGCCCGGCGTGGCCACAGCTTGGGTACAGTGCAGGC
CACAGATGAGGATGGGGGTGCCGATGGCCTGGTTCGTATTCCCTTGCCACCTCTTCCCCCTATTTTGGTATTAA
CCAGACTACAGGAGCCCTGTACCTGCGGGTGGACAGTGGGGCACCAGGCAGCGGAACAGCCACCTCTGGGGGTGG
GGGCCGGACCCGGCGGGAAGCACACGCGGAGCTGAGGCTGGAGGTGATAGCACGGGGGCTCTGCCTGGTTCCCCG
GAGTGCCACAGTGCCTGTGACCGTGGATATCACCCACACCGCACTGGGCCTGGCACCTGACCTCAACCTGCTATT
AGTAGGGGCGGTGGCAGCCTCCTTGGGAGTTGTGGTGGTGTGCTGCACTGGCAGCCCTGGTCTTAGGACTTGTTCG
GGCCCGTAGCCGCAAGGCTGAGGCAGCCCTGGCCCAATGTACAGGCAGCACCCCTAGCCAGTGACTCACTGCA
GAAACTGGGCCGGGAGCCACCTAGTCCACCACCTCTGAGCACCTCTATCACCAGACTCTTCCCAGCTATGGTGG
GCCAGGAGCTGGAGGACCCTACCCCGTGGTGGCTCCTTGGACCCCTTACATTCAAGTGGCCGAGGATCAGCAGA
GGCTGCAGAGGATGATGAGATCCGCATGATCAATGAGTTCCCCCGTGTGGCCAGTGTGGCCTCCTCTCTGGCTGC
CCGTGGCCCTGACTCAGGCATCCAGCAGGATGCAGATGGTCTGAGTGACACATCCTGCGAACCACCTGCCCCCTGA
CACCTGGTATAAGGGCCGAAAGGCAGGGCTGCTGCTGCCAGGTGCAGGAGCCACTCTCTACAGAGAGGAGGGGCC
CCCAGCCACTGCCACAGCCTTCTCTGGGGGGCTGTGGCCTGAGCCCTGCACCCACTGGGGACTATGGCTTCCCAGC
AGATGGCAAGCCATGTGTGGCAGGTGCGCTGACAGCCATTGTGGCCGGCGAGGAGGAGCTCCGTGGCAGCTATAA
CTGGGACTACCTGCTGAGCTGGTGCCTCAGTTCCAACCACTGGCCAGTGTCTTACAGAGATCGCTCGGCTCAA
GGATGAAGCTCGGCCATGTCCCCCAGCTCCCCGTATCGACCCACCACCCCTCATCACTGCCGTGGCCCCACCCAGG
AGCCAAGTCTGTGCCCCCAAGCCAGCAAAACACAGCTGCAGCCCGGGCCATCTTCCCACCAGCTTCTCACCGCTC
CCCCATCAGCCATGAAGGCTCCCTGTCTCAGCTGCCATGTCCCCCAGCTTCTCACCCCTCTCTGTCTCCTCTGGC
TGCTCGCTCACCCGTTGTCTCACCATTTGGGGTGGCCAGGGTCCCTCAGCCTCAGCACTCAGCGCAGAGTCTGG
CCTGGAGCCACCTGATGACACGGAGCTGCACATCTAGCTGTGGCCAGGCTGGGGCCCCGACCTGGGATGCGCACA
GTGTCCCCAACGCAGGCCCCACTCTGAGCCTGCCCTGGGCAGCCTCGGACTATGACTGGCTACGGGGAGGCCACC
ACCAGGCCCCAGCTCTCCACCCTGAACTCCCCAGCCCCCTCAGAGTACTAGGACCACAGAAGCCCTGTTGCTCAC
TGACCTGTGACCAGGTCCAATGTGGGGAGAAATATGAAGGAGGTAGCAGCCCTGGGTTCTCCTCAGTGAGGGATC
CCTGCCCTGCACCAGCACCCCTGAGATGGAGCTGAGACTTTATTTATTGGGGGTAGGGGGATGGAGGAGGTCCCTC
CAACATGTTTGGACCCAGCTCCTTTGGGTTCCACTGACACCCCTGCCCTGCCCTGCCAGAACCAAGTGCCAT
TTCTCACTCTGGAGCCTTAATAAACTGCAATTTGT

3422/6881
FIGURE 3154

MKAPCPQLPCPPASHPLCLLWLLAHPLSHHLGWPRVPQPQHSAQSLAWSHLMTR SCTSSCGPGWAPTWDAHSVPN
AGPTLSLPWAASDYDWLRGGHHQAPALHPELPSPRLVLGPQKPCCSLTCDQVQCGEKYEGGSSPGFSSVRDPCPA
PAP

3423/6881
FIGURE 3155

CTTTTTCGTCTGGGCTGCCAACAATGCCATCCAGACTGAGGAAGACCCGGAAACTTAGGGGGCCACGTGAGCCACGG
CCACGGCCGCATAGGCAAGCACCGGAAGCACCCCGGCGGCCGCGTAATGCTGGTGGTCTGCATCACCACCGGAT
CAACTTCGACAAATACCACCCAGGCTACTTTGGGAAAGTTGGTATGAAGCATTACCACTTAAAGAGGAACCAGAG
CTTCTGCCCAACTGTCAACCTTGACAAATTGTGGACTTTGGTCAGTGAACAGACACGGGTGAATGCTGCTAAAAA
CAAGACTGGGGCTGCTCCCATCATTGATGTGGTGCGATCGGGCTACTACAAAGTTCTGGGAAAGGGAAAGCTCCC
AAAGCAGCCTGTCATCGTGAAGGCCAAATTCTTCAGCAGAAGAGCTGAGGAGAAGATTAAGAGTGTTGGGGGGGC
CTGTGTCCTGGTGGCTTGAAGCCACATGGAGGGAGTTTCATTAAATGCTAACTACTTTTAAAAA

3424/6881
FIGURE 3156

MPSRLRKTRKLRGHVSHGHGRIGKHKHPGGRGNAGGLHHRINFDKYHPGYFGKVGMMKHYHLKRNQSFCTVNL
DKLWTLVSEQTRVNAAKNKTGAAPIIDVVRSGYYKVLGKGKLPQPVIVKAKFFSRRAEEKIKSVGGACVLVA

3425/6881
FIGURE 3157A

AAGGCATCCAGGATGCGGTGCGGGGCGGCCCGGTGCCCCCGCCCCGTCACGGCAGCCGCGGGCGGCCGAGGGGA
CCGGGCCAGGGCCGGGGGCGGCGGCCCGAGCCGCGGTAGCGGCGGCGGGAGGGGCGGCCTGAGGGCGGACGG
GCGGGGCGCCCGGGTTGCGGGGGCTCGGTGCCGCTCCGCACTGCCCGGCGGGTCTCGGCCCCGCGCCATGAGTGG
CGGCGGCGGCGGAGGGGGCTCGGCGCCAGTCGCTTCGCCGACTACTTTGTCATCTGCGGACTGGACACGGAGAC
CGGGCTGGAGCCGAGCAGCTGTGCGCATTATGCCAGTACATACAGGCTTCTAAAGCCAGGGATGGTGCCAGCCC
TTTCATTTCAAGTACGACTGAAGGAGAAAATTTTGAGCAGACACCATTGAGAAGAACATTCAAATCTAAGGTCTT
TGCACGATATCCTGAGAACGTAGAATGGAATCCCTTTGACCAAGATGCAGTAGGAATGCTATGTATGCCGAAAGG
GCTGGCATTCAAGACCCAGGCTGATCCAGGGAGCCCCAATTCCATGCCTTTATTATCACAAGGGAGGATGGCTC
TCGGACATTTGGGTTTGCCCTCACATTTTATGAAGAGGTGACTAGCAAGCAGATCTGCAGTGCAATGCAGACCCT
CTACCACATGCACAATGCTGAGTATGATGTCCTACATGCTCCCCCTGCTGATGACAGAGACCAGAGCAGCATGGA
GGATGGTGAAGACACTCCTGTGACCAAACGCAGCGCTTCAACTCCTATGACATTAGCCGGGACACTCTCTACGT
CTCTAAGTGCATCTGCCTCATCACCCCATGTCTTTTCATGAAGGCATGTCGGAGCGTGCTGGAGCAACTCCACCA
GGCAGTCACTTCACCTCAGCCCCCTCCACTGCCCCCTTGAGAGCTACATATAACAACGTACTCTACGAGGTGCCGCT
CCCACCTCCTGGCCGGTCTTGAAGTTTTCTGGGGTCTATGGGCCAATAATCTGCCAGAGACCAAGTACCAATGA
GCTTCCCCATTTTGACTTTCTGTCAAAGAGTTTTTGAAGTCTCGGGGTGGAGAATGTGTTTCAGCTTTTTAC
TTGTGCCCTTCTGGAGTTTTCAAATCCTGCTCTACTCACAGCATTACCAGAGACTGATGACTGTGGCGGAGACGAT
TACAGCTCTCATGTTTCTTTCCAGTGGCAGCATGTCTATGTCCCTATTCTCCCAGCTTCTCTCCTGCATTTCTT
AGATGCTCCTGTTCCATACCTGATGGGTTTGATTCCAATGGCCTGGATGACCGGTCAAAGCTGGAGCTGCCTCA
AGAGGCTAACCTCTGCTTTGTGGACATTGACAACCACTTCATTGAGTTGCCAGAGGACTTGCCACAGTTCCCCAA
CAAATTGGAGTTTGTCCAGGAAGTCTCTGAGATTCTCATGGCATTTTGGAATCCCCCTGAAGGGAATCTTCATTG
CAGTGAGAGTGCCCTCAAAGCTGAAGAGGCTGCGGGCCTCTGAGCTTGTCTCGGACAAGAGGAATGGGAACATTGC
TGGCTCCCCCTTTGCATTCTTACGAGCTTCTTAAGGAGAATGAAACTATTGCCCGGCTGCAAGCCTTGGTCAAGAG
AACTGGGGTGAGCCTGGAAAAGTTGGAAGTGCCTGAAGACCCAGCAGCAATAAGGATCTCAAAGTTCACTGTGA
TGAAGAAGAACTCAGGATTTACCAGCTAAACATTAGATCCGGGAAGTTTTTGCAAATCGTTTCACTCAGATGTT
TGCAGATTATGAGGTGTTTGTCTATCCAACCCAGCCAGGATAAGGAATCCTGGTTTACCAACAGGGAGCAAATGCA
AACTTTGATAAAGCATCTTTTCTGTCTAGATCAGCCTGAGCCCTACCTGCCCTTCTCTCAAGATTCTTGGAGAC
CCAGATGTTTGCATCTTTTCATTGACAACAAAATAATGTGTCTATGATGATGATAAAGACCCCTGTACTCCGGGT
ATTTGATTCCCAGTTTGACAAGATCAGGCTGTTGAATGTTTCGGACACCTACTCTCCGTACATCCATGTACCAGAA
GTGTACCACTGTGGATGAAGCAGAGAAAGCAATTGAGCTGCGTCTGGCAAAAATTGACCATACTGCAATTACCC
ACATTTACTTGACATGAAGATTGGACAAGGGAAATATGAGCCGGGCTTCTTCCCTAAGCTGCAGTCTGATGTACT
TTCCACTGGGCCAGCCAGCAACAAGTGGACGAAAAGGAATGCCCTGCCAGTGAGGCGGAAAGATCGGCAGAA
GCAGCACACAGAACACCTGCGTTTAGATAATGACCAGAGGGAGAAGTACATCCAGGAAGCCAGGACTATGGGCAG
CACTATCCGCCAGCCCAAACCTGTCCAACCTCTCTCCATCAGTGATTGCCAGACCAATTGGAAGTTGTAGAGGG
CCTGCTGAAGGAATGCCGCAATAAGACCAAGAGGATGCTGGTGGAAAAGATGGGCCGAGAAGCTGTGGAGCTAGG
GCATGGGGAGGTGAACATCACAGGGGTGGAAGAGAACACCCTGATTGCCAGCCTTTGTGATCTCCTGGAAAGGAT
CTGGAGTCATGGACTACAAGTGAACAGGGGAAATCAGCCTTATGGTCCCACCTGTTACATTATCAGGACAACCG
GCAGAGAAAACCTCACATCAGGAAGCCTCAGTACCTCAGGAATACTTCTTGATTGAGAACGTAGGAAGTCTGATGC
CAGCTCACTCATGCCTCCCCCTGAGGATCTCCCTGATTTCAGGATATGAGGCACATCCAGAACATCGGGGAGATCAA
GACTGATGTGGGATAGGCAGAGCATGGGTGCGACATGTATGGAAAAAAGTTACTTTTCAGACACCTGAGCAGCTC
TCTCAGACATGAGCTCACAAAAGTTATATAAGCGCTATGCCTTCTGCGCTGTGATGACGAGAAGGAGCAGTTC
CTCTATCACCTCCTGTCTTTCAATGCCGTCGATTACTTTTGCTTCACCAATGTCTTCACAACCTATCCTGATCCCG
TACCACATTCTGATCGTACCAAGCAAGAAGCTGGGGGGCTCCATGTTCACTGCCAACCCATGGATCTGTATATCA
GGAGAATTGGGTGAGACACAGATCATGCAGATTCCCAGGAATGTGCTAGAGATGACCTTCGAGTGCCAGAACCTTG
GGGAAGCTTACTACTGTCCAGATTGGCCATGATAACTCTGGGCTGTAATGCAAATGGCTGGTGGAGTATGTGATG
GTCAGGAATGAGATCACAGGACATACCTACAAGTTCCCGTGTGGCCGGTGGTTAGGGAAGGGCATGGATGATGGA
AGCTGGAGCGGATCCTAGTTGGGGAGCTGCTCACATCCAGCCTGAGGTGGATGAGAGGCCATGCCGGACCCCG
CCGCTGCAGCAGTCCCCAGTGTCTATCCGGAGGCTTGTACCATCTCACCAACAACAAGCCCAAGCTGAACACT
GGGCAGATCCAGGAGTCCATCGGGGAGGCAGTCAATGGCATTGTGAAGCACTTCCATAAGCCTGAGAAAGAGCGA

3426/6881

FIGURE 3157B

GGCAGTCTGACGCTGTTGCTCTGTGGAGAGTGTGGCCTTGTCTCGGCCTTGGAACAGGCTTTCAGCATGGATTT
AAATCGCCCCGGCTCTTCAAAAATGTCTTCATTTGGGATTTCTTGAAAAAGCACAAACCTATTATGAGACATTA
GAGAAGAATGAAGTAGTCCCTGAGGAAAACCTGGCATAACAAGAGCCCGGAACTTCTGCCGATTTGTCACTGCAATC
AACAACTACTCCCCGGAACATCGGCAAGGATGGCAAGTTTTAGATGCTGGTGTGCTTGGGAGCCAGAGATCACCTC
CTACACCACTGGATTGCCCTGCTGGCTGACTGCCCCATCACTGCACACATGTATGAGGATGTGGCACTGATCAAA
GACCATACTTGTCAATTCTTGATTTCGTGTGCTGCAGACATTGCAGGAGTTCAACATCACGCTGGAGACGTCC
CTTGTCAAGGGCATCGACATCTGACCTCCAGCACCAGCCAGCAGCAGGACTGAGAAAGACTCACCTGCAGCTC
TGACCTTTTTTCCCAAAGGGACTTAAGCGATTGTGCAGGAGTAGGAGACAAAATGTACACTCACTGTAAAAAGAA
AACTAGAGGATTTTTGGAATAAATAATCTATTTTAGAGTTTATTTGCTGATTTGCTTTTTACACACTTTCATGTG
AAAGAGTGATAGGGAGAGGGAGCGAGGCTGGTGCCGCTTATTTTGAAGCTGGTGCCCTCCCTCGCCGTGGCCACA
TGCTGGAACCTGAGGCCTCCCTGGACTGAGCCTGTGCACTGCGTGCGGGACAGTTATGTTTCCTTGCCCCGTGCGC
ATTAATGAGGCCCTTCCACATCATTTTTAACTAATGTTTTCTATATTAACATTATTATGGATATTTGGCTTTC
ATAGGCCACACACAGGTGTGCTGCGCGGAAGCCCCATGCTCCAATCAAAGGGATTTTTAGTAGTGCCTCTAAGC
AAGCACCGATGAGTCAGTCCCACGTATTTTCTTTTTTGTGAGTATTGTTGGGAAGGAGACATGCCGGGATGTGT
CATCGTGCCAAATACCACATTTCTGTTGGCACAGTTTCACAGAAGTAAACATAAGCATGTTTAAACAGGTTTTT
CTTTCTTTTTTCTTTTTTAAATGTTTTATTTATTTAACCGCCATTGTGTGTTTTTAAGTATTTCTTTTTTT
AAGGAAAGGAAAAGCTTGTCACAATCTAACTGGCTATGTTATTATTATTAAATTTATGTTTTGCAACTTAGAAAC
CAGCTACAGTATGGCCCACTTAATAAAACACCTGAAAC

3427/6881
FIGURE 3158

MSGGGGGGSAPSRFADYFVICGLDTETGLEPDELSALCQYIQASKARDGASPFISSTTEGENFEQTPLRRTFKS
KVLARYPENVEWNPFDQDAVGMLCMPKGLAFKTQADPREPQFHAFIITREDGSRTFGFALTFYEEVTSKQICSAM
QTLYHMHNAEYDVLHAPPADDRDQSSMEDGEDTPVTKLQRFNSYDISRDTLYVSKCICLITPMSFMKACRSVLEQ
LHQAVTSPQPPPLESYIYNVLYEVPLPPPGRSLKFSGVYGP IICQRPSTNELPLEDFPVKEVFELLGVENVFQ
LFTCALLEFQILLYSQHYQRLMTVAETITALMFPPQWQHVVPIILPASLLHFLDAPVPYLMGLHSNGLDDRSKLE
LPQEANLCFVDIDNHFIELPEDLPQFPNKLEFVQEVSEILMAFGIPPEGNLHCSESASKLKRLRASELVSDKRNQ
NIAGSPLHSYELLKENETIARLQALVKRTIGVSLEKLEVREDPSSNKDLKVQCDEEELRIYQLNIQIREVFANRFT
QMFADYEVFVIQPSQDKESWFTNREQMQNFDKASFLSDQPEPYLPFLSRFLETQMFASFIDNKIMCHDDDDKDPV
LRVFDSRVDKIRLLNVRTPLRTSMYQKCTTVDEAEKAIELRLAKIDHTAIHPHLLDMKIGQGKYEPGFFPKLQS
DVLSTGPASNKWKRNAPAQWRRKDRQKQHTHLRLDNDQREKYIQEARTMGSTIRQPKLSNLSPSVIAQTNWKF
VEGLLKECRNKTKRMLVEKMGREAVELGHGEVNITGVEENTLIASLCDLLERIWSHGLQVKQGSALWSHLLHYQ
DNRQRKLTSGSLSTSGILDSERRKSDASSLMPPLRISLIQDMRHIQNIQEIKTDVG

3428/6881

FIGURE 3159

CGCCATCTTCCAGTAATTCGCCAAAATGACGAACACAAAGGGAAAGAGGAGAGGCACCCGATATATGTTCTCTAG
GCCTTTTAGAAAACATGGAGTTGTTCCTTTGGCCACATATATGCGAATCTATAAGAAAGCTGATATTGTAGACAT
CAAGGGAATGGGTACTGCTCAAAAAGGAATGCCCCACAAGTGTTACCATGGCAAACTGGAAGAGTCTACAATGT
TACCCAGCATGCTGTTGGCATTGTTGTAAACAAACAAGTTAAGGGCAAGATTCTTGCCAAGAGAATTAAGGTGCG
TATTGAGCACATTAAGCACTCTAAGAGCCGAGATAGCTTCCTGAAACACGTGAAGGAAAATGATCAGAAAAAGAA
AGACGCCAAAGAGAAAGGTACCTGGGTTCAACTAAAGCGCCAGCCTGCTCCACCCAGAGAAGCACACTTTGTGAG
AACCAACGGGAAGCAGCCTGAGCTGCTGGAACCTATTTCTATGAATTGATGGCATAATAGGTGTTAAAAAAA
AATAAAGGACCTCTGGGCTGTAAAAAAAATTAAGGAAAAAAGAAAAAAGAAAAAAGAAAAA
AA

3429/6881
FIGURE 3160

MTNTKGKRRGTRYMF SRPFRKHGVVPLATYMRIYKKADIVDIKGMGTAQKGMPHKCYHGKTGRVYNVTQHAVGIV
V NKQVKGKILAKRIKVRIEHIKHSKSRDSFLKHVKENDQKKKDAKEKGTWVQLKRQPAPPREAHFVRTNGKQPEL
LEPISYEFMA

3430/6881
FIGURE 3161A

GCGGAGGTTGAGGGGCGTCCGAGGCGCGGAGGGGCTGGCTGGGCAGGAGGGGTTGGCGGGGCAGCAGGGCCGCGG
CCATGGGGAGCTTGAAGGAGGAGCTGCTCAAAGCCATCTGGCACGCCTTCACCGCACTCGACCAGGACCACAGCG
GCAAGGTCTCCAAGTCCCAGCTCAAGGTCCTTTCCCATAACTGTGCACGGTGTGAAGGTTCTCATGACCCAG
TTGCCCTTGAAGAGCACTTCAGGGATGATGATGAGGGTCCAGTGTCCAACCAGGGCTACATGCCTTATTTAAACA
GGTTCATTTTGGAAAAGGTCCAAGACAACCTTTGACAAGATTGAATTCAATAGGATGTGTTGGACCCTCTGTGTCA
AAAAAACCTCACAAAGAATCCCCTGCTCATTACAGAAGAAGATGCATTTAAATATGGGTATTTTCAACTTTT
TATCTGAGGACAAGTATCCATTAATTATTGTGTGAGAAGAGATTGAATACCTGCTTAAGAAGCTTACAGAAGCTA
TGGGAGGAGGTTGGCAGCAAGAACAATTTGAACATTATAAAATCAACTTTGATGACAGTAAAAATGGCCTTTCTG
CATGGGAACCTTATTGAGCTTATTGGAATGGACAGTTTAGCAAAGGCATGGACCGGCAGACTGTGTCTATGGCAA
TTAATGAAGTCTTTAATGAACCTTATATTAGATGTGTTAAAGCAGGGTTACATGATGAAAAAGGGCCACAGACGGA
AAAACCTGGACTGAAAGATGGTTTGTACTAAAACCCAACATAATTTCTTACTATGTGAGTGAGGATCTGAAGGATA
AGAAAGGAGACATTCTCTTGGATGAAAATTGCTGTGTAGAGTCCTTGCTGACAAAGATGGAAAGAAATGCCTTT
TTCTCGTAAATGTTTTGATAAGACTTTTGAATCAGTGCTTCAGATAAGAAGAAGAAACAGGAGTGGATTCAAG
CCATTCACTTACTATTCTGTGTTGAAGCTGGGCAGCCCTCCACCACACAAAGAAGCCCGCCAGCGTCGGAAAG
AACTCCGGAAGAAGCAGCTGGCTGAACAAGAGGAACCTGGAGCGACAAATGAAGGAACCTCAGGCCGCCAACGAAA
GCAAGCAGCAGGAGCTGGAGGCCGTGCGGAAGAACTGGAGGAAGCAGCATCTCGTGCAGCAGAAGAGGAAAAGA
AACGCCTTCAGACTCAAGTGGAACTTCAGGCCAGGTTACGACAGAGCTGGAAAGAGAGAAGCTTATCAGACAGC
AGATGGAAGAACAGGTTGCTCAAAGTCCTCTGAACTGGAACAGTATTTACAGCGAGTACGGGAGCTGGAAGACA
TGTACCTAAAGCTGCAGGAGGCTCTTGAAGATGAGAGACAGGCCCGCAAGATGAAGAGACAGTGCAGGAACTTC
AGGCCAGGTTGTTGGAGGAAGAGTCTTCCAAGAGGGCTGAACTAGAAAAGTGGCACTTGGAGCAGCAGCAGGCCA
TTCAGACAACCGAGGCGGAGAAGCAGGAGTTGGAGAATCAGCGTGTCTGAAGGAACAGGCCCTGCAGGAGGCCA
TGGAGCAGCTGGAGCAGCTTGAGTTAGAACGGAAGCAAGCACTTGAGCAGTACGAGGAAGTTAAAAAGAAGCTGG
AGATGGCAACTAATAAGACCAAGAGCTGGAAGGACAAAGTGGCCCCATCATGAAGGATTAATTCGACTGATAGAAC
CAGGTTCAAAGAACCCTCACCTGATCACTAACTGGGGACCTGCAGCTTTCACTGAGGCAGAACCTGAAGAGAGAG
AGAAGAACTGGAAGAGAAAAAGACCACGGAGTGACTGAGCTTGCTGGCAGTCACGTCACTTATGTAGATACTGC
ATGGCAGGAGAGCTTTACGCTAAAGACAAAAGAAACAGCTTTGGGGGCGGGCGTGGTGGCTCACGCCTGTAATC
CCAGCACTTTGGGAGGCCGAGGCGGGTGGATCACCTGAGGTCAGGAGTTCAAGAGCAGCCTGGCCAACCTGGTGA
AACCCTGTCTCTACTAAAAATACAAAAAAATTAGCTGAGCGTGGTGGCGGGCGCCTGTAATCCAGCTACTTGG
GAGGCTGAGGCAGGAGAATCACTTGAACGTGGGAGGCGGAGGTTGCAGCGAGCTGAGATCATGCCGTTGTACTCC
AGCTTGGGCAACAGAGTGAGACTCCATCTCAAAACAAAACAAAACAAAACAAAACAAAACAAAACAAAACAAAAC
CTTTTAACTCTTCT
CAAACAAGGGTTACCTGAAAAGAAAAAAAGTCAACATTGTCAAGCTGTTTGTCTTACTCTTTCTTTGAAAACAT
CACCTTCTGAAATTTGTCTTTTAGCTCTCTCAGATTCTTCCCCAAATGAGGCAGGTTGCAGACAGCACAGTCAGC
TCTGCAGAGTTTGGAGGGGCTCACTGCCACTGGGTACTCAGAACCTCTGTGGACTGGATGTCAGCTCTTCTCTTT
GGCAGCGTGTCT
ACATGGAATGCCTTTGACCATTGGTGCTCTGACAGAGAAGTCATGGAGTCATTGCCATTTCTGGTTGCCCTTTT
GGAATGTGATCCTGTAGTAGAGGTTTTCTAGCTTCTACTAAGATATTTCTTTCCCTAACCATCATACACTTGGC
ATGTTTCATTCCCATCTCTTTCCCTCACCTTAAAGGAGACTACCCCTTTGCCCCATATTGTCAACCTAATTTT
CTCTCGTACTCTCTCTAGTGAATGATGTGCTACCAAGTATATGCCAGGCTGTGAGAGGATTATACTGAGTAGTAG
AAAGAAGCTAATTTGAAATAAAAATTATTTGTATAATTAAGAAAGCAGATTAGATGCACATGGTCAACAGGAAGT
TGACTGTATGTCTGCTAGTTAGATTCAAAACATCATAAAGATGATAGCATGTCAATATATTAGCCTAGCCATTAT
GTTAGCCTTTGTTAGGTGGGCAGCTTTTCTGCTTTTCCCTTCTCTGTGGTGACAACGGAGGAAATATCCAACA
GAAATACGTCTAACAGGGAAATTGGGATCATAGTTTATATGCATCTGATTTGAAAGGAGTATTGAGGAAGGTTTT
CATATATGATCTATCTTTGGATTAAAAAGAACATTTATGAAATCAAGCCTTCTAACACTAGTTATAATTGAGAAG
CAACAGTAACTCCGTGGACAGCAATCAAGCTTAAATTTGTAATAAATATGGGGATAATTCAGTTGTTGCAAAAA
AAGGGCAGAATTCAGTAGAATAAAGTCCTTTTCTCTTACAGGTATTAAATGAGGACAGAGAACCTCAGGTGTTCT
TATGCTAGTGCTTGCTGAGTGACATAAGAAAGCAATTCCAAATAGATGTATACATCTAGAGAGAGTGGTATTA
GAGATTCACTGTATGTATTTATTTACATGAGAGGAACTGGAATATAATCCATAAATTATCACCTTTTATGACT

3431/6881
FIGURE 3161B

GGAAAAATATTTGCCAATGAAGAAATGGTCTGTAGGTATTTGTCTTAAGATTTTTGGCTGTTTAATAAAAAATGTAA
CTTTAACGGTTTCTTATAGTTGCCTTTATAAAGTGTATTGTCTAAAAATATTTTTGTATCATGTGCCTTTGAAATT
TGACAGCTGATTTGGGTGTTGGATTTCTGCCCAGCCATTTATCAGTATTATCATTATTCAGTAGCTGGCAGGT
GTATTAGACCAACGAGACTTAGGTAAGGAATGGAACCTTTCCTGTGGTTTGACTGCACATTACACCAGAAGACTC
CAGTATCCCTCATTCCAGAATGAGGAAAAAGTATTCTACAAAGAACCTAATCACCTCTGTGAAATCTATGGGATG
GAAACAGTGTGGCCTTAGGAGTCAAATAGTCTCTGCATGGTGGGGAGGATCATGATGGAATATGTGAATTTCTAC
TTCTAGAAGTTGTGAAATAGGTCCTGCACTTTTGCAGAATGTCCTTCTTTAAACCTGGCTTATTCACAGCTGTA
GCTGATAACATGACCTGGGGCTTAGCTGCTCTAGCCCTGGGTCTTGGAGACCTCACACTGCCTGGCCCCCTGGCC
ATCCACCTAAGGACTGCCTGCTTTCTGGTCACATGTGGACCTTGATACGACTAAGCGGTTACATATGTGGTTGTG
CAAAAGCTTTCTGTTTAATGCATAGTGTTACCGATTTACATCTTGGTTTTTCAGTGGCACTATGTCTAGGAGGCAA
TATCCTTTTAAACAGTGCTTTGGCTAAGATAGATACTTGTGAATCAAAGATAGCACAGAAATGAACTAAGTATAT
CCCATTGGAATTATATTTTGATACTATTTAAATGGTTTCACCTGTAAAGGGCCAACAGAACTCTTGGTTTTA
CTTTTGTAATTACTGTACAGAAAATTTCAAGAGTGTTGAGTGCTTGTCATCAGGTGTTTTCTTAATAAGTAGG
GATATGATCATTTACAGGAATTATATATGAAAAAGTTTTTGAAATGTATTTTGTGATGTGCTATGTTGAGGGG
AAACCAAATATTTATGATTTTAAACATTTCGTATGAAAACATTGTACAATGTAATATGCTCAACTTTCTCAATTT
TTTGCTAATTTTTCTAAGATACATTAAAAATGTTTTATATTTTTTTTTTAAGTAAATGGACCCAGTAAGAAAATT
AAAAATACCAGAACATACACTTT

3432/6881
FIGURE 3162

MGSLKEELLKAIWHAFTALDQDHSGKVSQSOLKVLSHNLCTVLKVPHPVALEEHFRDDDEGPVSNQGYMPYLN
FILEKVQDNFDKIEFNRMCTLCVKKNLTKNPLLITEEDAFKIWVIFNFLSEDKYPLIIVSEEIEYLLKKLTEAM
GGGWQQEQFEHYKINFDDSKNGLSAWELIELIGNGQFSKGMDRQTVSMAINEVFNELILDVLKQGYMMKKGHRK
NWTERWFVLKPNIIISYYVSEDLKDKKGDILLDENCCEVSLPDKDGKKCLFLVKCFDKTFEISASDKKKKQEWIQA
IHSTIHLKLGSPPPHKEARQRRKELRKKQLAEQEELEEROMKELQAANESKQQELEAVRKKLEEAASRAAEEEEK
RLQTQVELQARFSTELEREKLIRQQMEEQVAQKSSELEQYLQVRLEEDMYLKLQEALQEDERQARQDEETVRKLQ
ARLLEEESKRAELEKWHLEQQQAIQTTEAEKQELNQRVLKEQALQEAMEQLEQLELERKQALEQYEEVKKKLE
MATNKTCSWKDKVAHHEGLIRLIEPGSKNPHLITNWGPAAFTAELEEREKNWKEKKTE

3433/6881
FIGURE 3163A

CAGCAGTGAGTCGGAGCTCTATGGAGGTGGCAGCGGGTACCGAGTGGCGGCTGCAGCAGCGACTCCTCTGAGCTG
AGTTTGAGGCCGTCCCCGACTCCTTCCTCCCCCTCCCTCCCCCTTTTTTTGTTTTCCGTTCCCCCTTTCCCCTC
CCTTCCCTATCCCCGACGACCGGATCCTGAGGAGGCAGCTGCGGTGGCAGCTGCTGAGTTCTCGGTGAAGGTATT
TCATTTCTCCTGTCCCCTCCCCACCCCATCTATTAATATTATTCTTTTGAAGATTCTTCGTTGTCAAGCC
GCCAAAGTGGAGAGTGCATTGCAGAAGGGGGTGCTTCTCGTTTCAGTGCTTCTTCGGGGCGGAGGAGGAAGTAGG
GGTGCACCTCAGCACTATCCCAAGACTGCTGGCAACAGCGAGTTCTTGGGGAAAACCCCAAGGGCAAAACGCTCAG
AAATGGATTCTGCACGAAGCACTAGACGAGATGACAACTCCGCAGCAAACAACCTCCGCAAACGAAAAAGAACGA
CATGATGCAATCTTCAGGAAAGTAAGAGGCATACTAAATAAGCTTACTCCTGAAAAGTTTGACAAGCTATGCCTT
GAGCTCCTCAATGTGGGTGTAGAGTCTAACTCATCTTAAAGGGGTCACTAGCTGATTGTGGACAAAGCCCTA
GAAGAGCCAAAGTATAGCTCACTGTATGCTCAGCTATGCTGCGATTGGCAGAAGATGCACCAAACCTTTGATGGC
CCAGCAGCAGAGGGTCAACCAGGACAGAAGCAAAGCACCACATTTCAGACGCCTCCTAATTTCCAAATTACAAGAT
GAATTTGAAAACCGAACTAGAAATGTTGATGTCTATGATAAGCGTGAAAATCCCCCTCCTCCCCGAGGAGGAGGAA
CAGAGAGCCATTGCTAAGATCAAGATGTTGGGAAACATCAAATTCATTGGAGAGCTTGGCAAGCTTGATCTTATT
CACGAATCTATCCTTCATAAGTGCATCAAAACACTTTTGGAAAAGAAGAAGAGAGTCCAACCTCAAAGATATGGGA
GAGGATTTGGAGTGCTCTGTGAGATAATGAGGACAGTGGGACCTAGATTAGACCATGAACGAGCCAAAGTCCTTA
ATGGATCAGTACTTTGCCCCGAATGTGCTCCTTGATGTTAAGTAAGGAATTGCCAGCAAGGATTCGTTTCTGCTG
CAGGATACCGTAGAGTTGCGGAGAACCAATTGGGTTCCTCGCAAGGCTTTTCTTGACAATGGACCAAAGACGATC
AATCAAATTCGTCAAGATGCAGTAAAAGATCTAGGGGTGTTTATTCTGCTCCTATGGCTCAAGGGATGAGAAGT
GACTTCTTTCTGGAGGGACCGTTTCATGCCACCAGGATGAAAATGGATAGGGACCCACTTGGAGGACTTGCTGAT
ATGTTTGGACAAATGCCAGGTAGCGGAATTGGTACTGGTCCAGGAGTTATCCAGGATAGATTTTACCCACCATG
GGACGTCATCGTTCAAATCAACTCTTCAATGGCCATGGGGGACACATCATGCCTCCCACACAATCGCAGTTTGA
GAGATGGGAGGCAAGTTTATGAAAAGCCAGGGGCTAAGCCAGCTCTACCATAACCAGAGTCAGGGACTCTTATCC
CAGCTGCAAGGACAGTGAAGGATATGCCACCTCGGTTTTCTAAGAAAGGACAGCTTAATGCAGATGAGATTAGC
CTGAGGCCTGCTCAGTCGTTCTAATGAATAAAAATCAAGTGCCAAAGCTTCAGCCCCAGATAACTATGATTCCT
CCTAGTGACAACACCACGCACTCAAACACCACCTCTGGGACAGACACCTCAGCTTGGTCTCAAAAATAATCCA
CCACTTATCCAGGAAAAGCCTGCCAAGACCAGCAAAAAGCCACCACCGTCAAAGGAAGAAGTCTTAACTAACT
GAAACTGTTGTGACTGAATATCTAAATAGTGGAAATGCAAATGAGGCTGTCAATGGTGTAAGAGAAATGAGGGCT
CCTAAACACTTTCTTCTGAGATGTTAAGCAAAGTAATCATCCTGTCACTAGATAGAAGCGATGAAGATAAAGAA
AAAGCAAGTTCTTTGATCAGTTTACTCAAACAGGAAGGGATAGCCACAAGTGACAACCTTCATGCAGGCTTTCTG
AATGTATTGGACCAGTGTCCCAAACCTGGAGGTTGACATCCCTTTGGTGAAATCCTATTTAGCACAGTTTGCAGCT
CGTGCCATCATTTTCAGAGCTGGTGAGCATTTTCAGAACTAGCTCAACCCTAGAAAGTGGCACCCATTTTCTCTC
TTCCTACTTTGTCTTCAGCAGTTAGCTAAATTACAAGATCGAGAATGGTTAACAGAACTTTTTCAACAAAGCAAG
GTCAATATGCAGAAAATGCTCCAGAAAATTGATCAGAATAAGGACCGCATGTTGGAGATTTTGAAGGAAAGGGA
CTGAGTTTCTTATTCCCACTCCTCAAATTGGAGAAGGAAGCTGTTGAAGCAAATAAAGTTGGATCCATCCCCCTCAA
ACCATATATAAATGGATTAAAGATAACATCTCTCCCAAACCTTCATGTAGATAAAGGATTTGTGAACATCTTAATG
ACTAGCTTCTTACAGTACATTTCTAGTGAAGTAAACCCCCCAGCGATGAAACAGATTTCCTCTGCTCCTTCC
AAAGAACAGTTAGAGCAGGAAAAACAATACTACTATCTTCAAGCCAGTAATGCAGAAATTTCTTCATGATCAC
GTTGATCTACAAGTCAGTGCCCTGTATGCTCTCCAGGTGCACTGCTATAACAGCAACTTCCCAAAGGCATGTTA
CTTCGCTTTTTTGTGCACTTCTATGACATGGAAATTATTGAAGAAGAAGCTTTCTTGGCTTGGAAAGAAGATATA
ACCCAAGAGTTTCCGGGAAAAGGCAAGGCTTTGTTCCAGGTGAATCAGTGGCTAACCTGGTTAGAAACTGCTGAA
GAAGAAGAATCAGAGGAAGAAGCTGACTAAAGAACCAGCCAAAGCCTTAAATTGTGCAAAACATACTGTTGCTAT
GATGTAAGTGCATTTGACCTAACCACTGCGAAAATTCATTCGCTGTAATGTTTTTCAATATTTAAAGCAGAAG
CACGTCAGTTAGGATTTCTTCTGCATAAGGTTTTTTTGTAGTGTAATGTCTTAATCATAGTCTACCATCAAATA
TTTTAGGAGTATCTTTAATGTTTAGATAGTATATTAGCAGCATGCAATAATTACATCATAAGTTCTCAAGCAGAG
GCAGTCTATTGCAAGGACCTTCTTTGCTGCCAGTTATCATAGGCTGTTTTAAGTTAGAAAACCTGAATAGCAACAC
TGAATACTGTAGAAATGCACCTTTGCTCAGTAATACTTGAGTTGTTGCAATATTTGATTATCCATTTGGTTGTTAC
AGAAAAATCTTAACTGTAATTGATGGTTGTTGCCGTAATAGTATATTGCCGTGATTTCTACCTCTAGTAATGGG
CTTTATGTGCTAGATTTTAATATCCTTGAGCCTGGGCAAGTGCACAAGTCTTTTAAAGAAACATGGTTTACTT

3434/6881
FIGURE 3163B

GCACAAAAC TGATCAGTTTTGAGAGATCGTTAATGCCCTTGAAGTGGTTTTTGTGGGTGTGAAACAAATGGTGAG
AATTGAATTGGTCCCTCCTATTATAGTATTGAAATTAAGTCTACTTAATTTATCAAGTCATGTTTCATGCCCTGA
TTTTATATACTTGTATCTATCAATAAACATTGTGATACTTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

3435/6881
FIGURE 3164

VESAIAEGGASRFSASSGGGSRGAPQHYPKTAGNSEFLGKTPGQNAQKWIPARSTRRDDNSAANNSANEKERHD
AIFRKVRGILNKLTPKFDKLCLELLNVGVESKLILKGVILLIVDKALEEPKYSSLYAQLCLRLAEDAPNFDGPA
AEGQPGQKQSTTFRLLISKQLDEFENRTRNVDVYDKRENPLLPAAAAQRAIAKIKMLGNIKFIGELGKLDLIHE
SILHKCIKTLLEKKKRVQLKDMGEDLECLCQIMRTVGPRLDHERAKSLMDQYFARMCSLMLSKELPARIRFLLQD
TVELREHHWVPRKAFLDNGPKTINQIRQDAVKDLGVFIAPMAQGMRSDDFFLEGPFMPPRMKMDRDPLGGLADMF
GQMPGSGIGTGPGVIQDRFSPTMGRHRSNQLFNHGGHIMPPTQSQFGEMGGKFMKSQGLSOLYHNQSQGLLSQL
QGQSKDMPPRFSSKKGQLNADEISLRPAQSFLMNKNQVPKLQPIITMIPPSAQPPRTQTPFLGQTPQLGLKTNPPL
IQEKPAKTSKKPPPSKEELLKLTETVVTEYLNSGNANEAVNGVREMRAPKHFLPEMLSKVIIISLDRSDEDKEKA
SSLISLLKQEGIATSDNFMQAFNLVLDQCPKLEVDIPLVKSILAQFAARAIISELVSISELAQPLESGTHFPLFL
LCLQQLAKLQDREWLTELFQQSKVNMQKMLPEIDQNKDRMLEILEGKGLSFLFPLLKLEKELLKQIKLDPSPQTI
YKWIKDNISPKLHVDKGFVNILMTSFLQYISSEVNPPSDETDSSAPSKEQLEQEKQLLLSFKPVMQKFLHDHVD
LQVSALYALQVHCYNSNFPKGMLLRFFVHFYDMEIIEEEAFLAWKEDITQEFPGKGKALFQVNQWLTWLETAEED
ESEEAD

3436/6881
FIGURE 3165

AGCTCTTTGTTCTCCAAGCAGGAAGGCGGCCTCCTGCCCACCCGCCCTCCAAGCGGGCCCCCTCCTGCACCAT
AAATCCCCCGGGACTGACAACCGCCTCGCCACGGCCTCCTCTGCTGACAAAAGGGGCAGAAATCATCACTCTCT
CTTTCTCCCGACGAAGGGCAGCCCCTGCCGACTCCAGGTCTACACACCTCCCCGCCGGGAGGCCAGGCTCCG
GGACGCCTGCGGTTCCCTGGTCCCGCGCCAACGGCCTGGCCTTCCCTGCCGGCCCCGCGTGCTCCCGCCACGGCG
CTAGCGGTCCGAGCCACGCTCCCTCGCCGTCCGAGCACAGCCGTGCTCGGTCCGCCACGGCCTCGTCCCTGCAG
GCGTCGGCCATCCGGCCATGACCGCACGGCGGCCTGGCCAACACTGACGTTTTCTTCTACTCCGTAGCAACAG
GAAGAGAGAACAAAAGCCAAGACTTTCCAGGTATCTGAAGCGCAGAGGAAATGCTAAAAAAGGGTCGCCCCACCC
GGCTCCGCCTGCGGGCCGCAATTTTGTACCACTCGAGAAGAAGCGACACAGGGACGGCGGCCATTTTAGAGCGCTCC
ACTCGGCGGGCAGCGGCTCAACTCACCTTCACCGAGAACTCAGCAGCTGCCACCGCAGCTGCCTCCTCAGGAT
CCGGTCGTGGGGATAGGGAAGGGAGGGGAAGGGGAACGGAAAAACAAAAAAGGGGGAGGGAAGGGGGAGGAA
GGAGTCGGGGACGGCCTCAAACCTCAGCTCAGAGGAGTCGCTGCTGCAGCCGCCACTCGGTACCCGCTGCCACCTC
CATAGAGCTCCGACTCACTGCTGGCGCTAAGGCGTGCTGAAGCCGAACCTATCACTCTTGGGGCAGCCGAACCC
ACCAGAGTCTCCCCGAATGGCTCCTTCGCCGCCCAATCAGCGGCCCCGGTTGCCGTCTGCCACCAATCCGCGCAGG
GCAGCGAGGAGGAGCCACAGGGCTGAGCTCGGTTGCGGCGCAGCCCCGCCGAGTGCGCAAAGCCATATTCGCGA
AGTCTCTGAGGCTGAGCCAGTGGCGTAAGGGGCGCCGAGCGCTGTCGAGATGAGGGTTGCGTGCGTAAAGCCGGA
GAGCCCTTTTGAGTCTGCGTTGGCGTGGCTGCTGCTTCTTGCTCCAGTCCCTTTGTTCACTGAGTCCATATGCCA
TGCTCCAGTTGTATCATCCCTTTTCCCTCGACCTCGTTTTCTCACCGGGAATATGGGAAGAAAACGCACCCTTA
CCTCCCCGAACCCTGTGCGTGGCGAGTGAGCATTGCTTTTCTTGCGCCCCCTTGGAGCTGTGGCTGCCCTCGCG
TGCTTGGCCTCTCCCGGGGCTGAGCCCTTCGGGTTCAGAGCCTGGAGCCCCCGGGCGCAGCGCCGGGACACTACCC
GGCTCCAGGTCTCGGCTTCGGCAGCCTTAGGGAACCCAGAAAGTAGTGGGGAGGAGGCGAGACGTGCGCCCGGA
TGCCAAAGGGGAGCTTCATTAGCTCCTTATTGGCCCCACCCCTGCAGAGTGAATGAGAAAGTGATGAAAGGAAG
GGGTTGATTTTCTTCGAACCGCACAGAAGAAGCTGCTTTTCCCATAGGAATGTCCGGCTGGCGGTACCCGAGGAA
AACACCCTGTGTGTCAGACTTCGCGGGGTGTTTGGAGGATTTTGAATTGCTAGCTCCTGTTTTTTTTTTGTTTTT
GTTTGTAAAGTGACGTTAAACATTGTCAGTTGTGTATTTTCAATTTATTTAAGGTTACCATAAGAAATAGGA
TTAAGCTTTTCAAAGCCGGCAAGTTGAACTATTTATACTTACCAGGTAATGTATTGATGAGTACCTTATTCCATC
GTTTGCAGCATTGTAGCTATACTAAATGGAGTCATACTTCCATAAACTTAAACAACAAAAATGTCCCCATCTCC
ATTTTAACATGTAGTACTTTTACAGTGTATAGTCAAAGGCAAGAATGTGTGTGTTTTAACATGAATGACTTTTAA
AGTGTTCAAGTAAGAGGCAGGATTTTCAAAGACCCAACTTAACCTTTGATGTGTCAAACAGCTCTTGGTATTAG
AGCACCTGGTCCTTAATACAATTTTCCGGAAATTGC

3437/6881
FIGURE 3166

MRVACVKPESPFESALAWLLLLAPVPLFTESICHAPVVSSPFPSTFSHREYGKKTHPYLPRTL CVASEHCFSWR
PLELWLPSRAWPLPGLSPSG

3438/6881
FIGURE 3167

CGCGAGCCGGGACCACGCCGACCCAGCGTGCCAGGCCGAGGAAAGCGCGGCGGGCAGTCCGAAGACCCACCG
GGACTGAAAGAGAAGGACGAGGTCATCTTCGGACGGGAGGGGCAAGCCAGCCATCCTGGGACCCCAGGCGTGCGAG
GTTCTCTTTGAGGGTATTCCACCCTGCAAAAAGCATGTATTTCATGGTCAGCTCTCAGCAAGGCCAGTAGCAGAGT
GGTAAAGGCCTTGGCCCTCCAAGGCTGGGAAAAGACAATGACAAGTCAAATCCAGACCTATGTTGTATGTTGGTC
TACTAGGTGACTGTCTCCTGGAAATGTTATGCAGCTCAGCAAGGTGAAGTTTCGAAATCAGTATGACAATGATGT
CACTGTTTGGAGCCCCCAGGGCAGGATTCATCAAATTGAATATGCAATGGAAGCTGTTAAACAAGGTTTCAGCCAC
AGTTGGTCTGAAATCAAAAATCATGCAGTTTTGGTTGCATTGAAAAGGGCGCAATCAGAGCTTGCAGCTCATCA
GAAAAAATTCTCCATGTTGACAACCATATTGGTATCTCAATTGCGGGGCTTACTGCTGATGCTAGACTGTTATG
TAATTTTATGCGTCAGGAGTGTTTGGATTCCAGATTTGTATTTCGATAGACCACTGCCTGTGTCTCGTCTTGTATC
TCTAATTGGAAGCAAGACCCAGATACCAACACAACGATATGGCCGGAGACCATATGGTGTGGTCTCCTTATTGC
TGGTTATGATGATATGGGCCCTCACATTTTCCAAACCTGTCCATCTGCTAACTATTTTGAAGTGCAGAGCCATGTC
CATTGGAGCCCGTTCCCAATCAGCTCGTACTTACTTGGAGAGACATATGTCTGAATTTATGGAGTGTAATTTAAA
TGAAGTAGTTAAACATGGTCTGCGTGCCTTAAGAGAGACGCTTCCTGCAGAACAGGACCTGACTACAAAGAATGT
TTCCATTGGAATTGTTGGTAAAGACTTGGAGTTTACAATCTATGATGATGATGATGTGTCTCCATTCTTGGGAAGG
TCTTGAAGAAAGACCACAGAGAAAGGCACAGCCTGCTCAACCTGCTGATGAACCTGCAGAAAAGGCTGATGAACC
AATGGAACATTAAAGTGATAAGCCAGTCTATATATGTATTATCAAATATGTAAGAATACAGGCACCACATACTGAT
GACAATAATCTATACTTTGAACCAAAAAGTTGCAGAGTGGTGAATGCTATGTTTTAGGAATCAG

3439/6881
FIGURE 3168

MFRNQYDNDVTWSPQGRIHQIEYAMEAVKQGSATVGLKSKTHAVLVALKRAQSELAAHQKKILHVDNHIGISIA
GLTADARLLCNFMRQECILDSRFVFDRLPLVSRVSLIGSKTQIPTQRYGRRPYGVGLLIAGYDDMGPHIFQTCPS
ANYFDCRAMSIGARSQSARTYLERHMSEFMECNLNELVKHGLRALRETLPAEQDLTTKNV SIGIVGKDLEFTIYD
DDDVSPFLEGLEERPQRKAQPAQPADEPAEKADPEMEH

3440/6881
FIGURE 3169

CCTTTCGTTGCCTGATCGCCGCCATCATGGGTCGTATGCGTGCTCCTGAGAAGGGCCTGTCCCAGTCGGCTTTAC
CCTATCGACGCAGCTTCCCCACTTGGTTGAAGTTGACATCTGACGACGTGAAGGAGCAGATTTACAACTGGCCA
AGAAGGGCCTTACTCCTTCACAGATCGGTGTAATCGTGAGAGAATCACATGGTGTTGCACAAGTACGTTTTGTGA
CAGGCAATCTCTACCATTTAATTAAGAAAGCAGTTGCTGTTCAAAGCATCTTGAGAGGAACAGAAAGGATAAGGA
TGCTAAATTCCATCTGATTCTGATAGAGAGCCAGATTCACCGTTTG

3441/6881
FIGURE 3170

CGCCGCCATCATGGGTCGTATGCGTGCTCCTGAGAAGGGCCTGTCCCAGTCGGCTTTACCCTATCGACGCAGCTT
CCCCACTTGGTTGAAGTTGACATCTGACGACGTGAAGGAGCAGATTTACAACTGGCCAAGAAGGGCCTTACTCC
TTCACAGATCGGTGTAATCGTGAGAGAATCACATGGTGTTGCACAAGTACGTTTTGTGACAGGCAATAAAATTTT
AAGAATTCTTAAGTCTAAGGGACTTGCTCCTGATCTTCCTGAAGATCTCTACCATTTAATTAAGAAAGCAGTTGC
TGTTCAAAGCATCTTGAGAGGAACAGAAAGGATAAGGATGCTAAATTCCATCTGATTCTGATAGAGAGCCAGATT
CACCGTTTGGCTCAATATTATAAGACCAAGCGAGTCCTCCCTCCCAGTTGGAAATATGAATCATCTACAGCCTCT
GCCCTGGTCGCATAAAATTTGTCTGTGTACTCAAGCAATAAAATGATTGTTTAACTAAAATAAAACAAAAACAAAA
ACAAAAAA

3442/6881
FIGURE 3171

CGCTCTCCTTTTCGTTGCCTGATCGCCGCCATCATGGGTCGCATGCATGCTCCCGGGAAGGGCCTGTCCCAGTCGG
CTTTACCTATCGACGCAGCGTCCCCACTTGGTTGAAGTTGACATCTGACGACGTGAAGGAGCAGATTTACAAAC
TGGCCAAGAAGGGCCTTACTCCTTCACAGATCGGTGTAATCCTGAGAGATTCACATGGTGTTGCACAAGTACGTT
TTGTGACAGGCAATAAAATTTTAAGAATTCTTAAGTCTAAGGGACTTGCTCCTGATCTTCCTGAAGATCTCTACC
ATTTAATTAAGAAAGCAGTTGCTGTTCGAAAGCATCTTGAGAGGAACAGAAAGGATAAGGATGCTAAATTCCGTC
TGATTCTAATAGAGAGCCGGATTCACCGTTTGGCTCGATATTATAAGACCAAGCGAGTCCTCCCTCCCAATTGGA
AATATGAATCATCTACAGCCTCTGCCCTGGTCGCATTAAATTGTCTGTGTACTCAAGCAATAAAATGATTGTTTA
ACTA

3443/6881
FIGURE 3172

MGRMHAPGKGLSQSALPYRRSVPTWLKLTSDDVKEQIYKLAKKGLTPSQIGVILRDSHGVAQVRFVTGNKILRIL
KSKGLAPDLPEDLYHLIKKAVAVRKHLERNRKDKDAKFRLLILIESRIHRLARYYKTKRVLPNWKYESSTASALV
A

3444/6881
FIGURE 3173

GGGGAGAGAAGGCCCGAGGGGCTCTGCGTTCTGTAGTGGCGCTGCTTGGGCCCCTGGCGGATTGTAAGCTGCTG
GTTTTGCGGCTGGGAAGAGCGGCGAGAGGGTTTCGGCATTTCGTCGGGATCCCCGCAAGGATGAGTGTCTGCCAG
AGAGTCTCACCCGCATGGGGTGAAGCGTTCAGCCTCCCCAGACGACGATCTGGGATCTAGCAATTGGGAGGCAGC
AGACTTGGGTAAATGAAGAGAGAAAACAAAAGTTCTTGAGACTTATGGGTGCAGGAAAGAAAGAACATACTGGTCG
TCTTGTATATAGGAGATCACAAATCAACATCTCACTTCCGAACCGGGGAAGAAGACAAGAAAATTAATGAAGAACT
GGAGTCTCAATATCAGCAAAGTATGGACAGTAAATTATCAGGAAGATATCGGCGACATTGTGGACTTGGCTTCAG
TGAGGTAGAAGACCATGATGGAGAAGGTGATGTGGCTGGAGATGATGATGATGACGATGATGATTACCTGATCC
TGAAAGTCCAGATGATTCTGAAAGCGATTTCAGAGTCAGAGAAAGAAGAATCTGCTGAAGAACTCCAAGCTGCTGA
GCACCCTGATGAAGTGGAGGATCCCAAAAACAAAAAGATGCAAAAAGCAATTATAAAATGATGTTTGTTAAATC
CAGTGGTTCATAACTCCCAAACGCTTAGTCTTTGTATTAAAAGTAAGCCTTATTGTTACAATGCACAGTGGAGGA
CTGCTTATAGAGCACAGACCTTTGTATTATAATTTTTAAAAAGGCCCTTTTAAATAATTACAAAGAGTGTTCCT
TTCAAATGCCATGGGTACACTTTTATGGGCATGACTATAACCATTTTGTAAAGAGTAAGAGTTGTATAAAATA
AGAAATAAATACAGTACTCAACTTCCTTTTCATATTAGCATCATCAACCCTCTAATTCACCTTATGGGGGAAATGC
TTCTTTTTGTTTGTGATAGCTATTTTATCATTTTCCTTCATATTTTCTCTTATAAAAATGTATTTGATACTGTGA
TATGTTACGAAAAGTATTCTTTAATTATTCTTTGTTATAGTAGAGCTGTTTATTATGGATATTTCTGCTGCCAG
TCACAATCTAAATTAATTTTGGCAAAAGATTGGGTACTTAGTTGCCTGTTACTGAGTTAGCTCTACTCTTTTGGA
CCAAAGCAACATGAGAGCAAGTACTTTTCACACTTGTTAAGATGGAGTTATACTGTCATACATTTGGAATATTA
TGATCCCAAGTAGTCTTTTTATAATTTGGATTGTATCGTATGTTAGATTTTGTATAAAATTTGGCCAATTTTAC
AGAAGAAATCTCTGATCATTTAGTTCTATCTATTTAGAAATATGTAAACTGGATTTTTTTTTTAAGTAATATGT
GACCAAAGTTAATTTTGTCCCAAAGGTCTAAATAAAGAGCAGTTTCCACAAAAA
AAAA

3445/6881
FIGURE 3174

MSAARESHPHGVKRSASPDDDLGSSNWEAADLGNEERKQKFLRLMGAGKKEHTGRLVIGDHKSTSHFRTGEEDKK
INEELESQYQQSMDSKLSGRYRRHCGLGFSEVEDHDGEGDVAGDDDDDDDDSPDPESPDDSESDSESEKEESAEE
LQAAEHPDEVEDPKNKKDAKSNYKMMFVKSSGS

3446/6881
FIGURE 3175

TGCTGCAGCCGCTGCCGCCGATTCCGGATCTCATTGCCACGCGCCCCGACGACCGCCCGACGTGCATTCCCGAT
TCCTTTTGGTTCCAAGTCCAATATGGCAACTCTAAAGGATCAGCTGATTTATAATCTTCTAAAGGAAGAACAGAC
CCCCAGAATAAGATTACAGTTGTTGGGGTTGGTGCTGTTGGCATGGCCTGTGCCATCAGTATCTTAATGAAGGA
CTTGGCAGATGAACTTGCTCTTGTTGATGTCATCGAAGACAAATTGAAGGGAGAGATGATGGATCTCCAACATGG
CAGCCTTTTCCTTAGAACACCAAAGATTGTCTCTGGCAAAGACTATAATGTAAGTGCAAACTCCAAGCTGGTCAT
TATCACGGCTGGGGCACGTCAGCAAGAGGGAGAAAGCCGTCTTAATTTGGTCCAGCGTAACGTGAACATATTTAA
ATTCAATCATTCCTAATGTTGTAAAATACAGCCCGAACTGCAAGTTGCTTATTGTTTCAAATCCAGTGGATATCTT
GACCTACGTGGCTTGGAAGATAAGTGGTTTTCCCAAAAACCGTGTTATTGGAAGTGGTTGCAATCTGGATTACAGC
CCGATTCCGTTACCTGATGGGGGAAAGGCTGGGAGTTACCCATTAAGCTGTCATGGGTGGGTCCCTTGGGGGAACA
TGGAGATTCCAGTGTGCCTGTATGGAGTGGAAATGAATGTTGCTGGTGTCTCTCTGAAGACTCTGCACCCAGATTT
AGGGACTGATAAAGATAAGGAACAGTGGAAAGAGGTTACACAAGCAGGTGGTTGAGAGTGCTTATGAGGTGATCAA
ACTCAAAGGCTACACATCCTGGGCTATTGGACTCTCTGTAGCAGATTTGGCAGAGAGTATAATGAAGAATCTTAG
GCGGGTGCACCCAGTTTCCACCATGATTAAGGGTCTTTACGGAATAAAGGATGATGTCCTTCCCTTAGTGTTCCCTTG
CATTTTGGGACAGAATGGAATCTCAGACCTTGTTGAAGGTGACTCTGACTTCTGAGGAAGAGGCCCGTTTGAAGAA
GAGTGCAGATACACTTTGGGGGATCCAAAAGGAGCTGCAATTTTAAAGTCTTCTGATGTCATATCATTTCAGTGT
CTAGGCTACAACAGGATTCTAGGTGGAGGTTGTGCAITGTTGTCCTTTTTATCTGATCTGTGATTAAAGCAGTAAT
ATTTTAAGATGGACTGGGAAAAACATCAACTCCTGAAGTTAGAAATAAGAATGGTTTGTAAAATCCACAGCTATA
TCCTGATGCTGGATGGTATTAATCTTGTGTAGTCTTCAACTGGTTAGTGTGAAATAGTTCTGCCACCTCTGACGC
ACCACTGCCAATGCTGTACGTACTGCATTTGCCCTTGAGCCAGGTGGATGTTTACCGTGTGTTATATAACTTCC
TGGCTCCTTCACTGAACATGCCTAGTCCAACATTTTTTCCAGTGAGTCACATCCTGGGATCCAGTGTATAAATC
CAATATCATGTCTTGTGCATAATTCTTCCAAAGGATCTTATTTTGTGAACATATCAGTAGTGATACATTACCATA
TAATGTAAAAAGATCTACATACAAACAATGCAACCAACTATCCAAGTGTTATACCAACTAAAACCCCAATAAAC
CTTGAACAGTG

3447/6881
FIGURE 3176

MATLKDQLIYNLLKEEQTPQNKITVVGVGAVGMACAISILMKDLADELALVDVIEDKLKGEMMDLQHGSFLRTP
KIVSGKDYNVTANSKLVIIITAGARQQEGESRLNLVQRNVNIFKFIIPNVVKYSPNCKLLIVSNPVDILTYVAWKI
SGFPKNRVIGSGCNLDSARFRYLMGERLGVHPLSCHGWVLGEHGDSSVPVWSGMNVAGVSLKTLHPDLGTDKDKE
QWKEVHKQVVESAYEVIKLGYSWAIGLSVADLAESIMKNLRRVHPVSTMIKGLYGIKDDVFLSVPCILGQNGI
SDLVKVTLTSEEEARLKKSADTLWGIQKELQF

3448/6881

FIGURE 3177

ATGCCCAGTGCCATTAGCACCAAGTGTTGCCTGTCCATCCTGTGGCCTACCATCTGGTATTACTGCAGCCATGCA
GGATCCCTGTCAATGATCATGTGTGCTCTTCTCTGGGCCCTATCCCTGCTGCTGAAATTCCTGGAGGGCAATCTT
GGAAACAATGGCAACAAGACCGAATTGGAACGGGCTTTTGGCTACTATGGACCACTCCAAAGTGTGTGGGTTGCT
AGAAACCCATCTGGCTTTTGCTTTTGTGTTGAATTTGAAGATCCCCGAGATGCGGCTGATGCAGTTCCATCCCCGAGA
GCTAAATGGAAGAACACTATGTGGCTGCTGTATGATTATCGTAGGAGTAGTCCTCCACCTCGTCGCAGATCTCCA
AGAAGGAGAAGCTTCTCTCACAGCTGGAGCAGGTCCCTTTCTAGAGATGGGAGAAGAGAGAGGTGCTGTCTCGG
GAGAGAAATCACAAGCCGTCCCGATCCTTCTCTAGGTCTCGTAGCCGATCTAGGTCAAATGAAAGGAAATAG

3449/6881
FIGURE 3178

ACCACAAATCAGGCCGGACAGGAGAGGGAGGGGTGGGGGACAGTGGGTGGGCATTTCAGACTGCCAGCACTTTGCT
ATCTACAGCCGGGGCTCCCGAGCGGCAGAAAGTTCCGGCCACTCTCTGCCGCTTGGGTGGGCGAAGCCAGGACC
GTGCCGCGCCACCGCCAGGATATGGAGCTACTGTCGCCACCGCTCCGCGACGTAGACCTGACGGCCCCCGACGGC
TCTCTCTGCTCCTTTGCCACAACGGACGACTTCTATGACGACCCGTGTTTCGACTCCCCGGACCTGCGCTTCTTC
GAAGACCTGGACCCGCGCCTGATGCACGTGGGCGCGCTCCTGAAACCCGAAGAGCACTCGCACTTCCCCGCGGGC
GTGACCCCGCCCCGGGCGCACGTGAGGACGAGCATGTGCGCGCGCCCAGCGGGCACCACCAGGCGGGCCGCTGC
CTACTGTGGGCCTGCAAGGCGTGCAAGCGCAAGACCACCAACGCCGACCGCCGCAAGGCCGCCACCATGCGCGAG
CGGCGCCGCTGAGCAAAGTAAATGAGGCCTTTGAGACACTCAAGCGCTGCACGTGAGCAATCCAAACCAGCGG
TTGCCCAAGGTGGAGATCCTGCGCAACGCCATCCGCTATATCGAGGGCCTGCAGGCTCTGCTGCGCGACCAGGAC
GCCGCGCCCCCTGGCGCCGACCGCCCTTCTATGCGCGGGGCCGCTGCCCGGGCCGCGGCGGCGAGCACTAC
AGCGGCGACTCCGACGCGTCCAGCCCGCGCTCCAAGTCTCCGACGGCATGATGGACTACAGCGGCCCCCGAGC
GGCGCCCGCGGCGGGAAGTGTACGAAGGCGCCTACTACAACGAGGCGCCAGCGAAGCCAGGCCCCGGGAAGAGT
GCGGCGGTGTGAGCCTAGACTGCCTGTCCAGCATCGTGGAGCGCATCTCCACCGAGAGCCCTGCGGCGCCCGCC
CTCCTGCTGGCGGACGTGCCTTCTGAGTCGCTCCGCGCAGGCAAGAGGCTGCCGCCCCAGCGAGGGAGAGAGC
AGCGGCGACCCACCCAGTCACCGGACGCGCCCGCCGAGTGCCTGCGGGTGCGAAGCCCAACCCGATATACCAG
GTGCTCTGAGGGGATGGTGGCCGCCACCCGCCGAGGGATGGTGGCCCTAGGGTCCCTCGCGCCCAAAAGATTG
AACTTAAATGCCCCCTCCCAACAGCGCTTTAAAAGCGACCTCTCTTGAGGTAGGAGAGGCGGGAGAAGTGAAGT
TTCCGCCCCCGCCCCACAGGGCAAGGACACAGCGCGTTTTTTTCCACGCAGCACCCCTTCTCGGAGACCCATTGCG
ATGGCCGCTCCGTGTTCTCGGTGGGCCAGAGCTGAACCTTGAGGGGCTAGGTTTCAGCTTTCTCGCGCCCTCCCC
CATGGGGGTGAGACCCTCGCAGACCTAAGCCCTGCCCGGGATGCACCGGTTATTTGGGGGGCGTGAGACCCAG
TGCACTCCGGTCCCAAATGTAGCAGGTGTAACCGTAACCCACCCCAACCCGTTTCCCGGTTTCAGGACCACTTTT
TGTAATACTTTTGTAATCTATTCTGTAAATAAGAGTTGCTTTGCCAGAGCAGGAGCCCTGGGGCTGTATTTAT
CTCTGAGGCATGGTGTGTGGTGCTACAGGGAATTTGTACGTTTATACCGCAGGCGGGCGAGCCGCGGGCGCTCGC
TCAGGTGATCAAAATAAAGGCGCTAATTTATA

3450/6881
FIGURE 3179

MELLSPPLRDVDLTAPDGSLSFATTDDFYDDPCFDSPLRFFEDLDPRLMHVGALLKPEEHSHPAAVHPAPGA
REDEHVRAPSGHHQAGRCLLWACKACKRKT TNADRRKAATMRERRRLSKVNEAFETLKRCTSSNPQNQLPKVEIL
RNAIRYIEGLQALLRDQDAAPPAAAAFYAPGPLPPGRGGEHYSGSDASSPRSNCSGMMDYSGPPSGARRRNC
YEGAYNEAPSEPRPGKSAVSSLDCLSSIVERISTESPAAPALLADVPSPPRRQEAAAPSEGESSGDPTQS
PDAAPQCPAGANPNPIYQVL

3451/6881
FIGURE 3180

AGTTGCTTCAGCATCCTGGTGTTGCTGTGCCGTGGGTCTCTGTGCGGTCACCTTAGCCAAGATGCTGAGGAAACCC
AGACCCAAGACCAACCGATGGAGGAGGAGGAGGTTGAGACATTCGCCTTTCAGGCAGAAATTGCCCAGTTGATGT
CATTGATCATCAATACTTTCTACTCGAACAAAGAGATCTTTCTGAGAGAGCTCATTTCAAATTCATCAGATGCAT
TGGACAAAATCTGGTATGAAAGCTTGACAGATCCCAGTAAATTAGACTCTGGGAAAGAGCTGCATATTAACCTTA
TACCAAAACAAACAAGATCAAACCTCTCACTATTGTGGATACTGGAATTGGAATGACCAAGGCTGACTTGATCAATA
ACCTTGGTACTATCGCCAAGTCTGGGACCAAAGCGTTCATGGAAGCTTTCAGGCTGGTGCAGATATCTCTATGA
TTGGCCAGTTCGGTGTAGTTTTTATTCTGCTTATTTGGTTGCTGAGAAAGTAACTGTGATCACCAACATAATG
ATGATGAGCAGTACGCCTGGGAGTCTCAGCAGGGGGATCATTACAGTGAGGACAGACACAGGTGAACGTATGG
GTCGTGGAACAAAGGTTATCCTACACCTGAAAGAAGACCAAACTGAGTACTTGGAGGAACAAAGAATAAAGGAGA
TTGTGAAGAAACATTCTCAGCTTATTGGATATCCCATTACTCTTTTTGTGGAGAAGGAATGTGATAAAGAAGTCA
GCGACGATGAGACTGAAGAAAAGGAAGACAAAGAAGAAGAAAAAGAAAAAGAGAGAAAGAGTCCAAAGACAAAC
CTGAAATTGAAGATGTTGGTTCTGATGAGGAAGAAGAAAAAGAGGATGGTGACAAGAAGAAGAAGAGACTAAGG
AAAAGTACATCGACCAAGAAGAACTCAACAAAACAAAGCCCATCTGGACCAGAAATCCCGACGATATTACTAATG
AGGAGTACGGAGAATTCTGCAAGAACCTTGACCAATGACTGGGAAGATCACTTGGCAGTGAAGCATTTTTTCAGTTG
AAGGACAGTTGGAATTCAGAGCCCTTCTATTTGTCCCATGACGTGCTCCTTTTGACCTGTTTGAAAACAGAAAGA
AAAAGAACAACATCAAATTGTATGTACGCAGAGATTTTCATCATGGATACTGTGAGGAGCTAATCCCTGAATATC
TGAACCTTCATTAGAGGGGTGGTAGACTCGGAGGATCTCCCTCTAAACATTTCCCGTGAGATGTTGCAACAAAGTA
AAATTTTGAAAGTTATCAGGAAAAATTTGGTCAAAAAATGCTTAGAACTCTTTACAGAACTGGCGGAAGATAAAG
AGAACTGCAAGAAATTCTATGAGCAGTTCTCTAAAAACATAAAGCTTGAATACAAGAAGACTCTCAAAATCGGA
AGAAGCTTTCAGAGCTGTTAAGGTACTACACGTCTGCCTCTGGTGATGAGATGGTTTCTCTCAAGGACTACTGCA
CCAGAATGAAGGAAAAACAGAAACATATCTATTATATCACAGGTGAGACCAAGGACCAGGTAGCTAACTCAGCCT
TTGTGGAACGTCTTGGGAAACATGGCTTAGAAGTGATCTATATGATTGAGCCATTGATGAGTACTGTGTCCAAC
AGCTGAAGGAATTTGAGGGGAAGACTTTAGTGCCAGTCACCAAAGAAGGCCTGGAACCTTCAGAGGATGAAGAAA
AGAAAAAGAAATAGGAAGAGAAAAAACAATGTTTGAGAACCTCTGCAAAACCATGAAAGACATATTGGAGAAAAA
AGTTGAAAAGGTGGTTGTGTCAAACCGATTGGTGACGTCTCCATGCTGTATTGTCAACAAGCACATATGGCTGGAC
AGAAAACATGGAGAGAATCATGAAAGCTCAAGCCCTAAGAGACAACCTCAACAATGGGTTATATGGCAGCCAAGAA
ACACCTGGAGATAAATCCTGATGATTCCATTATTGAGACCTTAAGGCAAAAGGCAGAGGCTGATAAGAATGACAA
GTCTGTGAAGGATCTGCTCATCTTGCTTTACGAAACTGCACTCCTGTCTTCTGGCTTCAGTCTGGAAGATCCCCA
GACACATGCTAACAGGACCTACAGGATGATCAAACCTTGGTCTGGGTATTGATGAAGATGATCCTGCTGCTGATGA
TACCAGTGCTGCTGTAACCTGAAGAAATGCCGCCCTCGAAGGAGATGACGACACATCATGCATGGAAGAAGTAGA
CTAACCTCTGGCTAAGGGATGACTTAACCTGTTCAATACTCTACAATTCCTCCGATAATATATATTCAAGGATGTT
TTTCTTTATTTTTGTTAATATTA AAAAGTCTGTACGGCATGACAACAACCTACTTTAAGGGGAAGATAAGATTTCT
GTCTACTAAGTGATGCTGTGATACCTTAGGCACATAAGCAGAGCTAGTAATGCTTTTTTGAGTTTTCACGTCGGTTT
ATTTTCACAGATTGGGGTAACGTGCGTTGTAAGATGTATGTAACATGATGTTAACTTTGTGGTCTAAAGTGTTTA
GCTGTCAAGCCGATTCTTAAGTAGACCAATCTTGTTATCGAAGTGTTTCTGAGCTATACCTTGATGTTTAGAA
AAGTATTTGTTACATCTTGTAGGATCTACTTTTTGAACTTTTCATCCCCTATAGTTGACAATTCTGCATGTACTA
GTCCTCTAGAAATAGGTTAAACTGAAGCAACTTGATGGAAGGATCTCTCCACAGGGCTTGTTTTCCAAAGAAAAG
TATTGTTTGGAGGAGCAAAGTTATAAGCCTACCTAAGCATATCATAAAGCTGTTTAAAAATAACTCAGACCCGGT
CTTGTGGATGGAATGTAGTGCTCGAGTCACATTCTTCTTATAGTTGTAACAAATACAGATGAGT

3452/6881
FIGURE 3181

MPEETQTQDQPMEEEEVETFAFQAEIAQLMSLIINTFYSNKEIFLRELISNSSDALDKIWYESLTDPSKLDSGKE
LHINLIPNKQDQTLTIVDTGIGMTKADLINNLGTIAKSGTKAFMEALQAGADISMIGQFGVSFY SAYLVAEKVTV
ITKHNDDEQYAWESSAGGSFTVRTDTGERMGRGTKVILHLKEDQTEYLEEQRIKEIVKKHSQLIGYPITLFVEKE
CDKEVSDDETEEKEDKEEKEKEEKEKSKDKPEIEDVGSDEEEEEKKDGDKKKKKTKEYIDQEELNKTPIWTRNP
DDITNEEYGEFYKNLTNDWEDHLAVKHFSVEGQLEFRALLFVP

3453/6881
FIGURE 3182

GGTGTGCTGTGCCGTGGGTCCTGTGCGGTCACCTTAGCCAAGATGCCTGAGGAAACCCAGACCCAAGACCAACCG
ATGGAGGAGGAGGAGGTTGAGACATTCGCCTTTCAGGCAGAAATTGCCCAGTTGATGTCATTGATCATCAATACT
TTCTACTCGAACAAAGAGATCTTTCTGAGAGAGCTCATTTCAAATTCATCAGATGCATTGGACCTGCATATTAAAC
CTTATACCAAACAAACAAGATCAAACCTCTCACTATTGTGGATACTGGAATTGGAATGACCAAGGCTGACTTGATC
AATAACCTTGGTACTATCGCCAAGTCTGGGACCAAAGCGTTTCATGGAAGCTTTGCAGGCTGGTGCAGATATCTCT
ATGATTGGCCAGTTCGGTGTTAGTTTTTATTCTGCTTATTTGGTTGCTGAGAAAGTAACTGTGATCACCAAACAT
AATGATGATGAGATACCAGTGCTGCTGTAAGTGAAGAAATGCCGCCCTCGAAGGAGATGACGACACATCATGCA
TGGAAGAAGTAGACTAACCTCTGGCTAAGGGATGACTTAACTGTTCA

3454/6881
FIGURE 3183

ACCAATGACTGGGAAGATCACTTGGCAGTGAAGCATTTTTTCAGTTGAAGGACAGTTGGAATTCAGAGCCCTTCTA
TTTGTCCCATGACGTGCTCCTTTTGACCTGTTTGAAAACAGAAAGAAAAAGAACAAACATCAAATTGTATGTACGC
AGAGATTTTCATCATGGATAACTGTGAGGAGCTAATCCCTGAATATCTGAACTTCATTAGAGGGGTGGTAGACTCG
GAGGATCTCCCTCTAAACATTTCCCGTGAGATGTTGCAACAAAGTAAAAATTTTGAAAGTTATCAGGAAAAATTTG
GTCAAAAAATGCTTAGAACTCTTTACAGAACTGGCGGAAGATAAAGAGAACTGCAAGAAATTCTATGAGCAGTTC
TCTAAAAACATAAAGCTTGAATACAAGAAGACTCTCAAAATCGGAAGAAAGCTTTCAGAGCTGTTAAGGTACTAC
ACGTCTGCCTCTGGTGATGAGATGGTTTCTCTCAAGGACTACTGCACCAGAATGAAGGAAAAACAGAAACATATC
TATTATATCACAGGTGAGACCAAGGACCAGGTAGCTGAGGGGAAGACTTTAGTGCCAGTCACCAAAGAAGGCCTG
GAACTTCCAGAGGATGAAGAAAAGAAAAAGAAATAGGAAGAGAAAAAACAATGTTTGAGAACCTCTGCAAAATCA
TGAAAGCTCAAGCCCTAAGAGACAACTCAACAATGGGTTATATGGCAGCCAAGAAACACCTGGAGATAAATCCTG
ATGATTCCATTATTGAGACCTTAAGGCAAAGGCAGAGGCTGATAAGAATGACAAGTCTGTGAAGGATCTGCTCA
TCTTGCTTTACGAAACTGCACTCCTGTCTTCTGGCTTCAGTCTGGAAGATCCCCAGACACATGCTAACAGGACCT
ACAGGATGATC

3455/6881
FIGURE 3184

GGAATGTGATAAAGAAGTCAGCGACGATGAGACTGAAGAAAAGGAAGACAAAGAAGAAGAAAAAGAAAAAGAAGA
GAAAGAGTCCAAAGACAAACCTGAAATTGAAGATGTTGGTTCTGATGAGGAAGAAGAAAAGAAGGATGGTGACAA
GAAGAAGAAGAAGACTAAGGAAAAGTACATCGACCAAGAAGAACTCAACAAAACAAAGCCCATCTGGACCAGAAA
TCCCGACGATATTACTAATGAGGAGTACGGAGAATTCTGCAAGAACTTGACCAATGACTGGGAAGATCACTTGGC
AGTGAAGCATGAAAAATTTGGTCAAAAAATGCTTAGAACTCTTTACAGAACTGGCGGAAGATAAAGAGAACTGCA
AGAAAATTCTATGAGCAGTTCTCTAAAAACATAAAGCTTGGAATACAAGAAGACTCTCAAAATCGGAAGAAGCTTT
CAGAGCTGTTAAGGTACTACACGTCTGCCTCTGGTGATGAGATGGTTTCTCTCAAGGACTACTGCACCAGAATGA
AGGAAAAACAGAAACATATCTATTATATCACAGGTGAGACCAAGGACCAGGTAGCTAACTCAGCCTTTGTGGAAC
GTCTTGGGAAACATGGCTTAGAAGTGATCTATATGATTGAGCCATTGATGAGTACTGTGTCCAACAGCTGAAGG
AATTTGAGGGGAAGACTTTAGTGCCAGTCACCAAAGAAGGCCTGGAACCTCCAGAGGATGAAGAAAAGAAAAAGA
AATAGGAAGAGAAAAACAATGTTTGAGAACCTCTGCAAAACCATGAAAGACATATTGGAGAAAAACAAGCACA
TATGGCTGGACAGAAAACATGGAGAGAATCATGAAAGCTCAAGCCCTAAGAGACAACCTCAACAATGGGTTATATG
GCAGCCAAGAAACACCTGGAGATAAATCCTGATGATTCCATTAT

3456/6881
FIGURE 3185

GGTCGGCGTGGTCTTGGCAGTGGAGTGTCCGCTGTGCCCCGGGCCTGCACCATGAGCGTCCCGGCCTTCATCGACA
TCAGTGAAGAAGATCAGGCTGCTGAGCTTCGTGCTTATCTGAAATCTAAAGGAGCTGAGATTTCAGAAGAGAACT
CGGAAGGTGGACTTCATGTTGATTTAGCTCAAATTATTGAAGCCTGTGATGTGTGTCTGAAGGAGGATGATAAAG
ATGTTGAAAGTGTGATGAACAGTGTGGTATCCCTACTCTTGATCCTGGAACCAGACAAGCAAGAAGCTTTGATTG
AAAGCCTATGTGAAAAGCTGGTCAAATTTGCGGAAGGTGAACGCCCCGTCTCTGAGACTGCAGTTGTTAAGCAACC
TTTTCCACGGGATGGATAAGAATACTCCTGTAAGATACACAGTGTATTGCAGCCTTATTAAAGTGGCAGCATCTT
GTGGGGCCATCCAGTACATCCCAACTGAGCTGGATCAAGTTAGAAAATGGATTTCTGACTGGAATCTCACCACCTG
AAAAAAGCACACCCCTTTTAAGACTACTTTATGAGGCACTTGTGGATTGTAAGAAGAGTGATGCTGCTTCAAAG
TCATGGTGGAATTGCTCGGAAGTTACACAGAGGACAATGCTTCCCAGGCTCGAGTTGATGCCCACAGGTGTATTG
TACGAGCATTGAAAGATCCAAATGCATTTCTTTTTGACCACCTTCTTACTTTAAAACCACTCAAGTTTTTGGAAG
GCGAGCTTATTCAIGATCTTTTAACCATTTTTGTGAGTGCTAAATTGGCATCATATGTCAAGTTTTATCAGAATA
ATAAAGACTTCATTGATTCACTTGGCCTGTTACATGAACAGAATATGGCAAAAATGAGACTACTTACTTTTATGG
GAATGGCAGTAGAAAATAAGGAAATTTCTTTTGACACAATGCAGCAAGAACTTCAGATTGGAGCTGATGATGTTG
AAGCATTTGTTATTGACGCCGTAAGAACTAAAATGGTCTACTGCAAAATTGATCAGACCCAGAGAAAAGTAGTTG
TCAGTCATAGCACACATCGGACATTTGGAAAACAGCAGTGGCAACAACCTGTATGACACACTTAATGCCTGGAAAC
AAAATCTGAACAAAGTGAAAACAGCCTTTTGAGTCTTTCTGATACCTTGAGTTTTTATGCTTATAATTTTTGTTT
TTTGAAAAAAGCCCTAAATCATAGTAAACATTATAAACTAAAAA

3457/6881
FIGURE 3186

MSVPAFIDISEEDQAAELRAYLKSKGAEISEENSEGGLHVDLAQIEACDVCLKEDDKDVESVMNSVVSLLLILE
PDKQEALIESLCEKLVKFREGERPSLRLQLLSNLFHGMDKNTPVRYTVYC SLIKVAASCGAIQYIPTELDQVRKW
ISDWNLTTEKKHTLLRLLYEALVDCKKSDAASKVMVELLGSYTEDNASQARVDAHRCIVRALKDPNAFLFDHLLT
LKPVKFLEGELIHDLLTIFVSAKLASYVKFYQNNKDFIDSLGLLHEQNMAKMRLTTFMGMAVENKEISFDTMQQE
LQIGADDVEAFVIDAVRTKMVYCKIDQTQRKVVVSHSTHRTFGKQQWQQLYDTLNAWKQNLNKVKNSSLSDT

3458/6881
FIGURE 3187

AAAACTGCAGCCAACTTCCGAGGCAGCCTCATTGCCAGCGGACCCAGCCTCTGCCAGGTTCCGGTCCGCCATC
CTCGTCCCGTCCTCCGCCGGCCCTGCCCCGCGCCAGGGATCCTCCAGCTCCTTTGCCCCGCGCCCTCCGTTCCG
CTCCGGACACCATGGACAAGTTTTGGTGGCACGCAGCCTGGGGACTCTGCCTCGTGCCGCTGAGCCTGGCGCAGA
TCGATTTGAATATAACCTGCCGCTTTGCAGGTGTATTCCACGTGGAGAAAAATGGTCGTACAGCATCTCTCGGA
CGGAGGCCGCTGACCTCTGCAAGGCTTTCAATAGCACCTTGCCCAATGGCCAGATGGAGAAAGCTCTGAGCA
TCGGATTTGAGACCTGCAGGTATGGGTTCAATAGAAGGGCACGTGGTGATTCCCCGGATCCACCCCAACTCCATCT
GTGCAGCAAACAACACAGGGGTGTACATCCTCACATCCAACACCTCCCAGTATGACACATATTGCTTCAATGCTT
CAGCTCCACCTGAAGAAGATTGTACATCAGTCACAGACCTGCCCAATGCCTTTGATGGACCAATTACCATAACTA
TTGTTAACCGTGATGGCACCCGCTATGTCCAGAAAGGAGAATACAGAACGAATCCTGAAGACATCTACCCCAGCA
ACCCTACTGATGATGACGTGAGCAGCGGCTCCTCCAGTGAAAGGAGCAGCACTTCAGGAGGTTACATCTTTTACA
CCTTTTCTACTGTACACCCCATCCAGACGAAGACAGTCCCTGGATCACCGACAGCACAGACAGAATCCCTGCTA
CCACTTTGATGAGCACTAGTGCTACAGCAACTGAGACAGCAACCAAGAGGCAAGAAACCTGGGATTGGTTTTTCAT
GGTTGTTTCTACCATCAGAGTCAAAGAATCATCTTCACACAACAACACAAATGGCTGGTACGTCTTCAAATACCA
TCTCAGCAGGCTGGGAGCCAAATGAAGAAAATGAAGATGAAAGAGACAGACACCTCAGTTTTTCTGGATCAGGCA
TTGATGATGATGAAGATTTTATCTCCAGCACCATTTCACACACACCACGGGCTTTTGACCACACAAAACAGAACC
AGGACTGGACCCAGTGGAACCCAAGCCATTCAAATCCGGAAGTGCTACTTCAGACAACCACAAGGATGACTGATG
TAGACAGAAATGGCACCCTGCTTATGAAGGAACTGGAACCCAGAAGCACACCCTCCCCTCATTACCATGAGC
ATCATGAGGAAGAAGAGACCCACATTCTACAAGCACAATCCAGGCAACTCCTAGTAGTACAACGGAAGAAACAG
CTACCCAGAAGGAACAGTGGTTTGGCAACAGATGGCATGAGGGATATCGCCAAACACCCAAAGAAGACTCCCATT
CGACAACAGGGACAGCTGCAGCCTCAGCTCATACCAGCCATCCAATGCAAGGAAGGACAACACCAAGCCCAGAGG
ACAGTTCTTGACTGATTTCTTCAACCCAATCTCACACCCCATGGGACGAGGTCATCAAGCAGGAAGAAGGATGG
ATATGGACTCCAGTCATAGTATAACGCTTCAGCCTACTGCAAATCCAAACACAGGTTTGGTGGAAAGATTTGGACA
GGACAGGACCTCTTTCAATGACAACGCAGCAGAGTAATTCTCAGAGCTTCTCTACATCACATGAAGGCTTGGAAAG
AAGATAAAGACCATCCAACAACCTTCTACTCTGACATCAAGCAATAGGAATGATGTCACAGGTGGAAGAAGAGACC
CAAATCATTCTGAAGGCTCAACTACTTTTACTGGAAGGTTATACCTCTCATTACCCACACACGAAGGAAAGCAGGA
CCTTCATCCAGTGACCTCAGCTAAGACTGGGTCTTTTGGAGTTACTGCAGTTACTGTTGGAGATTCCAACCTCTA
ATGTCAATCGTTTCTTATCAGGAGACCAAGACACATTCCACCCCAAGTGGGGGGTCCCATACCACTCATGGATCTG
AATCAGATGGACACTCACATGGGAGTCAAGAAGGTGGAGCAAACACAACCTCTGGTCTATAAGGACACCCCAAA
TTCCAGAATGGCTGATCATCTTGGCATCCCTCTTGGCCTTGGCTTTGATTCTTGAGTTTGCATTGCAGTCAACA
GTGGAAGAAGGTGTGGGCAGAAGAAAAAGCTAGTGATCAACAGTGGCAATGGAGCTGTGGAGGACAGAAAGCCAA
GTGGACTCAACGGAGAGGCCAGCAAGTCTCAGGAAATGGTGCAATTTGGTGAACAAGGAGTCGTCAGAACTCCAG
ACCAGTTTATGACAGCTGATGAGACAAGGAACCTGCAGAATGTGGACATGAAGATTGGGGTGTAAACACCTACACC
ATTATCTTGGAAAGAAACAACCGTTGGAAACATAACCATTACAGGGAGCTGGGACACTTAACAGATGCAATGTGC
TACTGATTGTTTCATTGCGAATCTTTTTTAGCATAAAATTTTCTACTCTTTTTGTTTTTGTGTTTTGTTCTTTA
AAGTCAGGTCCAATTTGTAAAAACAGCATTGCTTTCTGAAATTAGGGCCCAATTAATAATCAGCAAGAATTTGAT
CGTTCCAGTTCCCACTTGGAGGCCTTTCATCCCTCGGGTGTGCTATGGATGGCTTCTAACAAAACTACACATAT
GTATTCCTGATCGCCAACCTTTCCCCCACCAGCTAAGGACATTTCCAGGGTTAATAGGGCCTGGTCCCTGGGAG
GAAATTTGAATGGGTCCATTTTGCCCTTCCATAGCCTAATCCCTGGGCATTGCTTTCCACTGAGGTTGGGGGTTG
GGGTGTACTAGTTACACATCTTCAACAGACCCCTCTAGAAATTTTTCAGATGCTTCTGGGAGACACCCAAAGGG
TGAAGCTATTTATCTGTAGTAACTATTTATCTGTGTTTTTGAATATTAACCCCTGGATCAGTCCCTTTGATCAG
TATAATTTTTTAAAGTTACTTTGTGTCAGAGGCACAAAAGGGTTTAACTGATTCAATAAATATCTGTACTTCTT
CGATCTTC

3459/6881
FIGURE 3188

ACTTGAGGGAGTAGGGGGCCGGGTTTGGGCCCTCAGTTGCTAAGGGCTACCCGAGTGGGAAGCGGTTCAAGAGAT
GGGGTGAAGGGTGGTTCACCGGTTCTTCAAGTCCTCAGCCTTCTGGCCCGCGGAAGTTAAGCAACCAAGAGGCGG
GCCTAAGACCGGAAGCAGGAAGGAGGGCGCAGGAAGCAGGGCGCCGCAGCCTGTCGTACGGTCCTTCTGTGGGTC
TGTCCGTGCCGAGGGCAGGATGGAGAAGCTGCGGCTCCTGGGCCTCCGCTACCAGGAGTACGTGACTCGTCACCC
GGCCGCCACGGCCAGCTGGAGACAGCAGTGCGGGGCTTCAGTTACCTGCTGGCAGGTCGATTGCGCGATTTCGCA
CGAGCTGTCAGAGCTGGTGTACTCTGCCTCTAACCTGCTTGTGCTGCTCAATGACGGGATCCTACGGAAGGAGCT
TCGGA AAAAGTTGCCTGTGTGCTGTCCCAGCAGAAGCTGCTGACATGGCTGAGCGTGCTGGAGTGCGTGAGGTT
GTTTCATGGAGATGGGAGCTGCCAAGGTGTGGGGTGAAGTGGGCCGCTGGCTTGTTCATCGCCCTCATCCAGCTGGC
CAAGGCTGTACTGCGGATGCTCCTGCTGCTCTGGTTCAAGGCTGGCCTCCAGACTTCACCCCTATCGTTCCACT
GGACAGAGAGACCCAGGCACAGCCCCGGATGGTGACCACAGCCCTGGCAACCATGAGCAGTCCTACGTGGGGAA
GCGGTCAAACCGGGTGGTGCGAACCTCCAGAACACGCCGTCCCTGCACTCCAGGCACTGGGGAGCTCCCCAGCA
GCGGGAGGGACGGCAGCAGCAGCATCACGAGGAGCTGAGTGCGACCCCCACCCCTGGGGCTGCAGGAGACCAT
CGCAGAGTTTTTGTACATTGCCCGGCCGCTGCTGCACTTGCTCAGCCTGGGCCTGTGGGGTCAGAGGTCGTGGAA
ACCCTGGCTCTTGGCTGGTGTGTGGACGTGACCAGCCTGAGCCTCCTGAGTGACAGAAAGGGCCTGACCCGGAG
GGAGCGGCGGGAGCTGCGGCGCCGACCATCCTGCTGCTCTACTACCTGCTGCGCTCTCCTTTCTACGACCGCTT
CTCCGAGGCCAGGATCCTCTTCTGCTCCAGTTGCTGGCCGACCACGTCCCTGGCGTTGGCCTGGTCACAACGTC
CCAGCGTGCGGCCTCTCCGTGCCTACCGGCCAGGCCCCACACACAGCCCTGGTCGCCACCAGCGTTCTCCCAGG
ACACCCTTGACTGCGCTCTCCTGTGACGATGCCACTGCAGCCCGCACCTTGTCACTGCTGGGCCAAGAAGCCTTC
ACTAGGAGTGGGATCCAGGCTCCTCTCCCACAGAAAGCGGTGACTTCACCTCATGGAGCCCGGAAGCTGCTTGC
CTCGGCAGCCATAGGAGCGAACACTGCTGCTCTCTCGCTGGCCCTGGTGAGGACAGGAAGCCTGAACCCGGGTG
ATGGCTGAACGCTGCCAGCGTGTCTTCTGGCTGGGGCCCTCCGTCTGCCCTTCTCCGCAGGGCCCTGTGGCTC
TGGCAGCCCCAGGCCATGGCGTTGCCAGCCTCCCTGTGACAGAGCCTGGTGAACAGTGAGCCTGGCTCCCACGCA
AGTGGCACTTTAAGCCCTGCATCCTCGGTTGAGAGTAAAAGGCTTTTCTCCCTTAAAAAAAAAAAAAAAAAAAAA
A

3460/6881
FIGURE 3189

MEKLRLGLRYQEYVTRHPAATAQLETAVRGFSYLLAGRFADSHSELVYSASNLLVLLNDGILRKELRKKLPV
SLSQQKLLTWLSVLECEVFEMGAAKVWGEVGRWLVIALIQLAKAVLRMLLLWFKAGLQTSPPIVPLDRETQA
QPPDGDHSPGNHEQSYVGKRSNRVVRTLQNTPSLHSRHWGAPQQREGRQQQHHEELSATPTPLGLQETIAEFLYI
ARPLLHLLSLGLWGQRSWKPWLLAGVVDVTSLSLLSDRKGLTRRERRELRRRTILLYYLLRSPFYDRFSEARIL
FLLQLLADHVPGVGLVTTSQRAASPCLPARPHTQPWSPPAFLPGHP

3461/6881
FIGURE 3190

ACTTGAGGGAGTAGGGGGCCGGGTTTGGGCCCTCAGTTGCTAAGGGCTACCCGAGTGGGAAGCGGTTCAAGAGAT
GGGGTGAAGGGTGGTTCACCGGTTCTTCAAGTCCTCAGCCTTCTGGCCCCGCGGAAGTTAAGCAACCAAGAGGCGG
GCCTAAGACCCGGAAGCAGGAAGGAGGGCGCAGGAAGCAGGGCGCCGAGCCTGTCGTACGGTCCTTCTGTGGGTC
TGTCGGTGCCGAGGGCAGGATGGAGAAGCTGCGGCTCCTGGGCCTCCGCTACCAGGAGTACGTGACTCGTACCC
GGCCGCCACGGCCCAGCTGGAGACAGCAGTGCGGGGCTTCAGTTACCTGCTGGCAGGTGATTGCGCGATTTCGA
CGAGCTGTCAGAGCTGGTGTACTCTGCCTCTAACCTGCTTGTGCTGCTCAATGACGGGATCCTACGGAAGGAGCT
TCGGA AAAAGTTGCCTGTGTGCTGTCCCAGCAGAAGCTGCTGACATGGCTGAGCGTGTGGAGTGCGTGGAGGT
GTTTCATGGAGATGGGAGCTGCCAAGGTGTGGGGTGAAGTGGGCCGCTGGCTTGTTCATCGCCCTCATCCAGCTGGC
CAAGGCTGTACTGCGGATGCTCCTGCTGCTCTGGTTCAAGGCTGGCCTCCAGACTTCACCCCTATCGTTCCACT
GGACAGAGAGACCCAGGCACAGCCCCGGATGGTGACCACAGCCCTGGCAACCATGAGCAGTCTACGTGGGGAA
GCGGTCAAACCGGGTGGTGCGAACCTCCAGAACACGCCGTCCCTGCACTCCAGGCACTGGGGAGCTCCCCAGCA
GCGGGAGGGACGGCAGCAGCAGCATCACGAGGAGCTGAGTGCGACCCCCACCCCTGGGGCTGCAGGAGACCAT
CGCAGAGTTTTTGTACATTGCCCCGCCGCTGCTGCACTTGCTCAGCCTGGGCCTGTGGGGTCAAGGTCGTGGAA
ACCTTGGCTCTTGGCTGGTGTGTGGACGTGACCAGCCTGAGCCTCCTGAGTGACAGAAAGGGCCTGACCCGGAG
GGAGCGGCGGGAGCTGCGGCGCCGACCATCCTGCTGCTCTACTACCTGCTGCGCTCTCCTTTCTACGACCGCTT
CTCCGAGGCCAGGATCCTCTTCTGCTCCAGTTGCTGGCCGACCACGTCCCTGGCGTTGGCCTGGTCACAAGGCC
GCTCATGGATTACTTGCCACCTGGCAGAAAATCTACTTCTACAGTTGGGGCTGACAGACCTCCCGGAAGGAGGG
TGTGGGGAGGGGTGGGGCAGGGAGCCCCTCTTCCTAATAAACTGACTCCGGCAGCGTCAAAAAAAAAAAAAA
AAAAAAAAAA

3462/6881
FIGURE 3191

MEKLRLGLRYQEYVTRHPAATAQLETAVRGFSYLLAGRFADSHSELVYSASNLLVLLNDGILRKELRKKLPV
SLSQQKLLTWLSVLECEVFMEMGAAKVWGEVGRWLVIALIQLAKAVLRMLLLWFKAGLQTSPPIVPLDRETQA
QPPDGDHSPGNHEQSYVGKRSNRVVRTLQNTPSLHSRHWGAPQQREGRQQQHHEELSATPTPLGLQETIAEFLYI
ARPLLHLLSLGLWGQRSWKPWLLAGVVDVTSLSLLSDRKGLTRRERRELRRRTILLYYLLRSPFYDRFSEARIL
FLLQLLADHVPGVGLVTRPLMDYLPTWQKIYFYSWG

3463/6881
FIGURE 3192

AAGAAAAATTCAAAGTGGAGACAAGAACCATTGCTGTTGACTTTGCATCAGAAGATATTTATGATAAAATTAAAA
CAGGCTTGGCTGGTCTTGAAATCGGCATCTTAGTGAACAACGTGGGAATGTCGTATGAGTATCCTGAATACTTTT
TGGATGTTCTTGACTTGGACAATGTGATCAAGAAAATGATAAATATTAATATTCTTTCTGTTTGTAAGATGACAC
AATTGGTACTGCCTGGCATGGTGGAAAGATCCAAAGGGGCTATTCTGAACATTTTCATCTGGCAGTGGCATGCTCC
CTGTCCCACTCTTGACCATCTATTCTGCAACCAAGACTTTTGTAGATTTCTTCTCTCAGTGCCTCCATGAGGAGT
ATAGGAGCAAGGGCGTCTTTGTGCAGAGTGTCTGCCATACTTCGTAGCTACAAAACCTGGCTAAAAATCCGGAAGC
CAACTTTGGATAAGCCCTCTCCGGAGACGTTTGTGAAGTCTGCAATTAAAACAGTCGGCCTGCAATCCCGAACCA
ATGGATACCTGATCCATGCTCTTATGGGCTCGATAATCTCAAACCTGCCTTCTTGGATTTATTTGAAAATAGTCA
TGAATATGAACAAGTCTACACGGGCTCACTATCTGAAGAAAACCAAGAAGAACTAAGCATTGATAACTGCATTGT
AACTTGGCCAGATGCTCCAGCATATGCACGTTCACTGCAAAGCACCCCTACTGGTTTTGAAAATCTGACCTTGTC
TTTCAATAGTTATTAACATGACTAAATATTATCTTAATTAAGAGGAAAATAGAAGTTGCTTTTAGGGGTTTCTGA
CATATACTTCTGGATACTATCCGAGGTAATTTTGAAGTTTAAATATAAATGCTCATATCAAATGAATATAGAATAA
TATTGTGGGAACACCTAATAGAAAGGAATACTATTATAGCAAATCACAGAATGATAGACTCAAGCATAAAACTT
GGCAGTTTTATCTGCTTCAAAATGCCATTGATCATTATTCTGTATTTTCTCTGAAACTGATTATAAAAAACCAAT
GTCCAGCTACTCTTTTGTGTTTTGACACTTGAAGAAATGGAGATCGATTTGATTTGTTTATAAGCAGACACACTGC
AATTTACAAAGATCTCTTTACGGTTTTATAAAATTATCTTCCAGTTTGTACATTTATATGGAATTGTTCTTTATC
AAGGGTAGCTAATGACATGAAAATAATTGTGAAATATGGAATTATTTCTGACACATGAAGCCCACTAAACTATGC
TTTCTTATAATGCATATTTCTTCTCAGTTTAAATGTATGTAAATATCGAAGCTATATGGTATGATTTATAAAGAT
AAATGGGCCAAAGTGACATTGAGACTGGCAGCCATCTATGGTACCACTGAAACCCTGACCCAGAAAAGTGGCTT
GCTTGGACACCCAGCTGCCTTTGTTTCTGCATTAAACCAATATTGATCACACATATGACACAGGCTAGTCCTATA
AAAGTAATGACTTCATAGAAATGGCATTATAATTTTAAAGTTGATACTCTACAGGTAGCTATTGATATAATTAGT
TTTAATAAAACATGCTGCAACCATGGTATACAACAAAAATACATTTCTTTGGTGATTGAAATTAAGGCCGTATTT
ACAATGACTTAATATAAGACTGACTTTTATCCTGCTTCATAACTTGTATGGAGAACTCACCAAGAAAGAATTCAA
TACTGTGAAATATGCAGCAAGAAGATTGGTCTTTACCTAGGCTGTGTTTCCTAAGCTCTGAGTTTTTCAGCACCAG
TAGATTTGTATTAAAAGAAAAAAAATGGGGCCTTAGCTTCTGGCTTTTAATTTTGCCAGCTAAGGACATAAAAC
AAAAATAAACAAACAAAAACAAATAGCCATCTGCTATCAGCATCATTATGTAAAAGAAAATATATTTTAGCCCCCT
AAAATTAGGAAGAATGTAATCTCAGAATAAAGGTTGTCATTTAAGTTGAATAAATATATAGCTTTATGAAAAACA
C

3464/6881
FIGURE 3193

CCCCGCCCGTTTGCCAGCGCTCAGGCAGGAGCTCTGGACTGGGCGCGCCGCCCTGGAGTGAGGGAAGCCCAG
TGGAAGGGGGTCCCGGGAGCCGGCTGCGATGGACGCCGTCTTGGAACCCCTCCCGGCCGACAGGCTGTTCCCGG
ATCCAGCTTCTTGACTTGGGGGATCTGAACGAGTCGGACTTCTCAACAATGCGCACTTTCCTGAGCACCTGGA
CCACTTTACGAGAACATGGAGGACTTCTCCAATGACCTGTTTCAGCAGCTTCTTTGATGACCCTGTGCTGGATGA
GAAGAGCCCTCTATTGGACATGGAAGTGGACTCCCTACGCCAGGCATCCAGGCGGAGCACAGCTACTCCCTGAG
CGGCGACTCAGCGCCCCAGAGCCCCCTTGTGCCCATCAAGATGGAGGACACCACCCAAGATGCAGAGCATGGAGC
ATGGGCGCTGGGACACAACTGTGCTCCATCATGGTGAAGCAGGAGCAGAGCCCCGGAGCTGCCCCGTGGACCCCTCT
GGCTGCCCCCTCGGGCCATGGCTGCCGCGGCCGCCATGGCCACCAGCCCCGCTGCTGGGCCCTCAGCCCCCTTGTCC
AGGCTGCCCCATCCCCCACCAGGCCCGGGAGAGATGACTCAGCTGCCAGTGATCAAAGCAGAGCCTCTGGAGGTG
AACCAGTTCTTCAAAGTGACACCGGAGGACCTGGTGCAGATGCCTCCGACGCCCCCAGCAGCCATGGCAGTGAC
AGCGACGGCTCCCAGAGTCCCCGCTCTCTGCCCCCTCCAGCCCTGTCAGGCCCCATGGCGCGCTCCTCCACGGCC
ATCTCCACCTCCCCACTCCTCACTGCCCCCTCACAATTACAGGGGACATCAGGGCCACTGCTCCTGACAGAGGAG
GAGAAGCGGACCCCTGATTGCTGAGGGCTACCCCATCCCCACAAAACCTCCCCCTCACCAGCCGAGGAGAAGGCC
TTGAAGAGAGTCCGGAGGAAAATCAAGAACAAGATCTCAGCCCAGGAGAGCCGTCGTAAGAAGAAGGAGTATGTG
GAGTGCTAGAAAAGAAGGTGGAGACATTTACATCTGAGAACAATGAACTGTGGAAGAAGGTGGAGACCCTGGAG
AATGCCAACAGGACCCTGCTCCAGCAGCTGCAGAACTCCAGACTCTGGTCACCAACAAGATCTCCAGACCTTAC
AAGATGGCCGCCACCCAGACTGGGACCTGCCTCATGXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XX
XXXXXXXXXXXXXXXXXGCCCTCCCGAAGCCTCCTATTCTACGATGACGGGGCAGGCTTATGGGAAGATGGCCGCAGC
ACCCTGCTGCCCATGGAGCCCCAGATGGCTGGGAAATCAACCCCGGGGGGCCGGCAGAGCAGCGCCCCGGGAC
CACCTGCAGCATGATCACCTGGACAGCACCCACGAGACCACCAAGTACCTGAGTGAGGCCTGGCCTAAAGACGGT
GGAAACGGCACCAGCCCCGACTTCTCCCACTCCAAGGAGTGGTTCCACGACAGGGATCTGGGCCCCAACACCACC
ATCAAACCTCTCTAGGCCATGCCAAGACCCAGGACATAGGACGGACCCCTGGTACCCAGAAGAGGAGTTCTTGCT
CACTAACCCGGATCCGCCTCGTGCCCCCTGCCTCCTGGAGCTTCCCATTCAGGAGAAAAGGCTCCACTTCCAGC
CCTTCCTTGCCCCTGACATTTGGACTCTTCCCTTGGGCGGACCACTCTGTTCTCATTCTCCTTCCACCAACATC
CATCCGTCTTCTCAGACAAACCACTCACTGGGTACCCACCTCCTCTCTCATATGCCCAACACGACCACTGCCT
CCCTGCCCCCACACCTGCACCCAAACAGACACATCAACGCACCCCACTCACAGACACCCCTTACCCACCCCCAC
TGTACAGAGACCAAGAACAGAAATTGTTTGTAATAATGAACCTTATTTTTATTATTGCCAATCCCCTAAGATA
TTGTATTTTACAAATCTCCCTCTTCCCTTCGCCCCCTCCCTTGTTTTATATTTTATGAAGTTAGTGCGGGCTTGC
TGCTCCCTGGCCCAGGAAAGAGGGACTCCCTGACCCTCACCTGGCACCCCCCTGCTGCTGCCCAAGCCGCTGGGC
CTTTTTAATTGCCAACTGCTCTCTTCATCAGCTCAGCACATGCTTTAAGAAAGCAAACTAAAAAAAAAAAAA
AAAGAGGCAGCATC

3465/6881
FIGURE 3194

TTTTCAATTTAAATATTCTTCTTTTGCTTCTCTTAAGCAGAAGCTGGTCTCTGCTTTTCACCACCTGGAATCCCAG
TCCCAACAGCTGCTCTTCTAACCCTTCCGGCCTAATTGTGGAATAATCGTTTAAATCATTAAAGAGACAGAATCTG
ATGTTGGTAGCTCTGACAGACCTCTCTAGCTTCTTTCATAAGCCAGGGCTCTTGCCCAGCTCCTGCACACAGCCT
GCCAGTTCTCCATCTTAGCACAGTTCCACTTTTCCATAGTAGCCAGAAACATCTGGCTGAAGACAAACAGTTACA
AAGCAGAAGCCAAAGGTGATGGGATCTGTTGTACATAATGGGGCTGGCAGCTCAAGGAATGTGGTTCTCTGCTGAG
GAGATGTGGTAATCCAGTCAGCCCCCTGGCTGTCTGCCAAGGGTCTCAAGGCAGCTAGCCAGCAGCTGCATGCTT
GGTGACTGGAGCTACTACTACTGCCAGGCTGCCTGGTGAACCTTTTTTGATTCTCAGTAGGTACCATCTGCCACC
AAGCACTAAGAAAGGGAGCTGAAGTACCTAGAAAGTTCCCATTTGGGAAGTGTTCTGTCAACCAAGAGACAGGA
TCAAGGCATCTCAACAAGGTTTAGGTCAACCAAGTGTCCACCCAGTCTGACTTTAAACCCCCATGCTACAGAAAG
GTTTCTGGTTTTCCAGGTCTTGGTTGCCCTTACGTCCAAGGCACCAGATCACTCAGCAAATGTCCCTGAATTC
AGTGATTGGTGAAGGGAAGACACCAGCTTTTTTGATAGCTGTGCTGTATCACCGTTTAAGGCAAGAAGTGAAT
TTTTGTCTGAGAACAGGGAGCAAGGGTTTAATGGGACAGTACAGCATCTCCCTCTTTGCACAGGTAAGTATAGGT
GGGTGTCTCCATCTCTAATGTCAAGCTCTGACCATAAAGGAATGCTTTAGTGGGTAATGGGCTGTCTTAGAGCT
TTGCTACCCAGAATTCCCCTTCTGTCTGGTGTACCTCTTGGAATTCAGTGTGGTAATGTTTCAGAGAGGCAAATG
TGTTGGGCCAACAGACATTCCCAGGAGAACATCCTCCAGAGCATTGATTTATTTTAAGATGGCACTAAGTGACAT
CTCTCCCCAAGAGATGATCTCTGACACAATCCCATATGAAAACCTCTTCTGAAAATGAATTGCTAATTGCTATTAG
CCTTGATGCATTACTCTAAGCAGTTCTTCAGACTTCTGGATCAGTGCTTCTCAAACCTGTGGTTCTTGGACAAC
TACAGTAGAACTACATGGGTCTTATTTAAATACAGATCCATTTTCAGACCTAAATCAGAAATAAGATGGGAGTC
AGAGGGACCCAGGATTAGTATTTTTTAAACAAGATTTCTTCATTTTAGGTGTCTGCCCTCAGCCTCCTCAGCAAG
GCAGAGTCAGTCTCAGGTCTACTTGCCATTGTGGTTTTGTGCATGGTGCTTTGATTCTTTGCTAATTATGTTGCA
GGCAGAGTGGTGTGTTGTCTTCTGTTTCTTACCAACTCAGCTTTTTTGGCTGTCTGCGCCTCACCTCCCATCTTT
TCTAGGCTGTTGCTGCTTTCCAGGTTTCTCCCTTGAATAGCTGTATGTGCTGGAGTCTTTTCTTTATGTTGAATC
ATTTTAATTTTTGTCTTATTTCTAGGATCTAGGGTCTTTTGATCTTTCCCTTCTCTGTTTATCGTGCTAGTCC
TCCCAGTTTTAATGATGGGTAAGTCAGGAAAGTAAGACTGGGCACATATTTTCTCTCTCCCTTCCCAGTGTCCAT
TTGCGATTCTCCAGATTGGATATGCTACTCTCTATGACTCAGAATCTTATTTTCTGTCTGATTCCCTTCTGCTT
GAGCCAGAGAGGGCTTTTTGTAAATTTTTGTTTTGTTTTTAGGTTAAGCTTTTAGAGACTGCTGAGCTGAAGTTT
TGCTGAATTTCTCAAAAACACTAAACTGCCTGTGTTCCCTCTCGGCTTTTCAATTTCTAATTGGAACAGGCACAGTA
TTGTAACAGAGAACTGCAATTAATTTTCTAAAATAGTGGCAACTTGCACAGTATAATAACTTTGGTTGTAACCAA
GTGAAAGCATAATAACAAAAATACAAAATTACTGATGAAACCAGAAAGAGTCATATAACCATTTCTCCTTTAGT
TTGTATCTCAGTAAGTGCTGTGTTACTTAGGAATAGGGGCAGAAGCCTGCAACTGGGCAGGGAGGTTTCAGGGACA
TGAGGACGAAGCTAGGGCATTTTGAGCTAGAAAGCAAGAATAAGGATTAGTGCTTTCAACACTGGAATTAACATG
GACCACCCCCACCTCCCAATAAGTGGGGATTGTAGGCACATAAGTGGTTTAGTAAGAAGTGGAAGGTTTTT
CTGTGGAGTTCGAGTTCCATCGGCTCCCATCCGGGCTATCCTGCCACCTTAGCGGCTGCTCCTCCCAGGATGCG
GGCAGGGGGCCTCTCTCCCACTCCCCACACACCGATTTCTGAGTAGCGATAGGGGCTGGAGGCTTATTTTATGGG
GTAGGGGGCCGCTGGTAGGCGAAGATTGTCCGAGGGAGAGGGGGAGGATGAAGCCAGTGCGTGCGGAGACCTGC
CAGATGTTGATGCCTAAGAAGAACCGGATTGCCATTTATGAACTCCTTTTTAAGGAGGGAGTCATGGTGGCCAAG
AAGGATGTCCACATGCCTAAGCACCCGGAGCTGGCAGACAAGAATGTGCCAACCTTCATGTTCATGAAGGCCATG
CAGTCTCTCAAGTCCCAGGCTACGTGAAGGAACAGTTTGCCTGGAGACATTTCTACTGGTACCTTACCAATGAG
GGTATCCAGTATCTCCGTGATTACCTTCATCTGCCCCAGAGATTGTGCCTGCCATCCTACGCCGTAGCCGTCCA
GAGACTGGCAGGCCTCGGCCTAAAGGTCTGGAGGGTGAGCGACCTGCGAGACTCACAAGAGGGGGAAGCTGACAGA
GATACCTACAGACGGAGTGCTGTGCCACCTGGTGCCGACAAGAAAGCCGAGGCTGGGGCTGGGTCAGCAACCGAA
TTCCAGTTTAGAGGCGGATTTGGTCTGGTGGACGTGGTCAGCCACCTCAGTAAATTTGGAGAGGATTCTTTTGCAAT
GAATAAACTTATAGCCAAAAAACCTT

3466/6881
FIGURE 3195

AGATGTTGATGCCTAAGAAGAACCGGATTGCCATTTATGAACTCCTTTTTTAAGGAGGGAGTCATGGTGGCCAAGA
AGGATGTCCACATGCCTAAGCACCCGGAGCTGGCAGACAAGAATGTGCCCAACCTTCATGTCATGAAGGCCATGC
AGTCTCTCAAGTCCCGAGGCTACGTGAAGGAACAGTTTGCCTGGAGACATTTCTACTGGTACCTTACCAATGAGG
GTATCCAGTATCTCCGTGATTACCTTCATCTGCCCCCAGAGATTGTGCCTGCCATCCTACGCCGTAGCCGTCCAG
AGACTGGCAGGCCTCGGCCTAAAGGTCTGGAGGGTGAGCGACCTGCGAGACTCACAAGAGGGGAAGCTGACAGAG
ATACCTACAGACGGAGTGCTGTGCCACCTGGTGCCGACAAGAAAGCCGAGGCTGGGGCTGGGTCAGCAACCGAAT
TCCAGTTTAGAGGCGGATTTGGTCGTGGACGTGGTCAGCCACCTCAGTAAAATTGGAGAGGATTCTTTTGCATTG
AATAAACTTATAGCCAAAAAACCTTAAAAAA

3467/6881
FIGURE 3196

GCGAAGCAGCGCGGGCAGCGAGATGCAGCACCGAGGCTTCCTCCTCCTCACCCCTCCTCGCCCTGCTGGCGCTCAC
CTCCGCGGTGCGCAAAAAGAAAGATAAGGTGAAGAAGGGCGGCCCGGGGAGCGAGTGCCTGAGTGGGCCTGGGG
GCCCTGCACCCCCAGCAGCAAGGATTGCGGCGTGGGTTTCGCGAGGGCACCTGCGGGGCCCAGACCCAGCGCAT
CCGGTGCAGGGTGCCCTGCAACTGGAAGAAGGAGTTTGGAGCCGACTGCAAGTACAAGTTTAAAAAATGGGGTGA
AGTGTGATGGGGGCACAGGCACCAAAGTCCGCCAAGGCACCCTGAAGAAGGCGCGCTACAATGCTCAGTGCCAGG
AGACCATCCGGGTCCCCCAGCCCTGCACCCCCAAGACCAAAGCAAAGGCCAAAGCAAAGGGAAGGGAAAGG
ACTAGACGCCAAGCCTGGATGCCAAGGAGCCCCTGGTGTACATGGGGCCTGGCCCACGCCCTCCCTCTCCCAGG
CCCGAGATGTGACCCACCAAGTGCCTTCTGTCTGCTCGTTAGCTTTAATCAATCATGCCCTGCCTTGTCCCTCTCA
CTCCCCAGCCCCACCCCTAAGTGCCCAAAGTGGGGAGGGACAAGGGATTCTGGGAAGCTTGAGCCTCCCCCAAAG
CAATGTGAGTCCCAGAGCCCGCTTTTGTCTTCTCCCAACAATTCCATTACTAAGAAACACATCAAATAAACTGACT
TTTTCCCCCAATAAAAGCTCTTCTTTTTTTAATAT

3468/6881
FIGURE 3197

GCGGCGCGGAGCGGGCGTGCTGAGCCCCGGCCGCGCGGCCCGGCATGGGCGTCTCCCGCGGGCCCTCCGCCGGCCG
GGGCTAGGGCCGGATGAGCCGCGGGACGGTAGCCCCGAGGCCCGGAGCAGCGACTCCGAGTCGGCTTCCGCCCTC
GTCCAGCGGCTCCGAGCGCGACGCCGGTCCCGAGCCGGACAAGGCGCCGCGGCGACTCAACAAGCGGCGCTTCCC
GGGGCTGCGGCTCTTCGGGACACAGGAAAGCCATCACCAAGTCGGGCCTCCAGCACCTGGCCCCCCTCCGCCAC
CCCTGGGGCCCCGTGCAGCGAGTCAGAGCGGCAGATCCGGAGTACAGTGGACTGGAGCGAGTCAGCGACATATGG
GGAGCACATCTGGTTCGAGACCAACGTGTCCGGGGACTTCTGCTACGTTGGGGAGCAGTACTGTGTAGCCAGGAT
GCTGAAGTCAGTGCTCGAAGAAAGTGCGCAGCCTGCAAGATTGTGGTGCACACGCCCTGCATCGAGCAGCTGGA
GAAGATAAAATTTCCGCTGTAAGCCGTCTTCCGTGAATCAGGCTCCAGGAATGTCCGCGAGCCAACCTTTGTACG
GCACCACTGGGTACACAGACGACGCCAGGACGGCAAGTGTCGGCACTGTGGGAAGGGATTCCAGCAGAAGTTCAC
CTTCCACAGCAAGGAGATTGTGGCCATCAGCTGCTCGTGGTGCAAGCAGGCATACCACAGCAAGGTGTCCTGCTT
CATGCTGCAGCAGATCGAGGAGCCGTGCTCGCTGGGGGTCCACGCAGCCGTGGTTCATCCCGCCACCTGGATCCT
CCGCGCCCCGGAGGCCCCAGAATACTCTGAAAGCAAGCAAGAAGAAGAAGAGGGCATCCTTCAAGAGGAAGTCCAG
CAAGAAAGGGCCCTGAGGAGGGCCGCTGGAGACCCTTCATCATCAGGCCCCACCCCTCCCGCTCATGAAGCCCT
GCTGGTGTGTTGTGAACCCCAAGAGTGGGGGCAACCAGGGTGCAAAGATCATCCAGTCTTTCCTCTGGTATCTCAA
TCCCCGACAAGTCTTCGACCTGAGCCAGGGAGGGCCCAAGGAGGCGCTGGAGATGTACCGCAAAGTGCACAACCT
GCGGATCCTGGCGTGCGGGGGCGACGGCACGGTGGGCTGGATCCTCTCCACCCTGGACCAGTACGCTGAAGCC
GCCACCCCTGTTGCCATCCTGCCCTGGGTACTGGCAACGACTTGGCCCCGAACCTCAACTGGGGTGGGGGCTA
CACAGATGAGCCTGTGTCCAAGATCCTCTCCACGTGGAGGAGGGGAACGTGGTACAGCTGGACCGCTGGGACCT
CCACGCTGAGCCCCAACCCGAGGACGGCCCTGAGGACCGAGATGAAGGCGCCACCGACCGGTTGCCCTGGATGT
CTTCAACAATACTTACGCTGGGCTTTGACGCCCCAGTACCCTGGAGTTCCACGAGTCTCGAGAGGCCAACCC
AGAGAAATTCAACAGCCGCTTTCGGAATAAGATGTTCTACGCCGGGACAGCTTTCTCTGACTTCTGATGGGCAG
CTCCAAGGACCTGGCCAAGCACATCCGAGTGGTGTGTGATGGAATGGACTTGAATCCCAAGATCCAGGACCTGAA
ACCCAGTGTGTTGTTTTCTGAACATCCCCAGGTACTGTGCGGGCACCATGCCCTGGGGCCACCTGGGGAGCA
CCACGACTTTGAGCCCCAGCGCATGACGACGGCTACCTCGAGGTCAATTGGCTTACCATGACGTCGTTGGCCGC
GCTGCAGGTGGGCGGACACGGCGAGCGGCTGACGCAGTGTGCGGAGGTGGTGTCTACCACATCCAAGGCCATCCC
GGTGCAGGTGGATGGCGAGCCCTGCAAGCTTGACGCTCACGCATCCGCATCGCCCTGCGCAACCAGGCCACCAT
GGTGCAGAAGGCCAAGCGGCGGAGCGCGCCGCCCTGCACAGCGACCAGCAGCCGGTGCCAGAGCAGTTGCGCAT
CCAGGTGAGTCGCGTCAGCATGCACGACTATGAGGCCCTGCACTACGACAAGGAGCAGCTCAAGGAGGCCTCTGT
GCCGCTGGGCACTGTGGTGGTCCCAGGAGACAGTGACCTAGAGCTCTGCCGTGCCACATTGAGAGACTCCAGCA
GGAGCCCGATGGTGTGAGGACCAAGTCCCCGACATGCCAGAACTGTCCCCCAAGTGGTGTCTCCTGGACGCCAC
CACTGCCAGCCGCTTCTACAGGATCGACCGAGCCAGGAGCCTCAACTATGTGACTGAGATCGCACAGGATGA
GATTTATATCTGACCCCTGAGCTGCTGGGGGCATCGGCCCGGCTGACCTCCCAACCCCACTTCCCCTCTCCC
CACCTCACCCCTGCTCACCCACGCCCCGGTCACTGCAAGGGGATGCTGCACCCCTCAAGGTGAAGAGCTGATTGA
GGCTGCCAAGAGGAACGACTTCTGTAAGCTCCAGGAGCTGCACCGAGCTGGGGGCGACCTCATGCACCGAGACGA
GCAGAGTCGCACGCTCCTGCACCACGCAGTCAGCACTGGCAGCAAGGATGTGGTCCGCTACCTGCTGGACCACGC
CCCCCAGAGATCCTTGATGCGGTGGAGGAAAACGGGGAGACCTGTTTGCACCAAGCAGCGGCCCTGGGCCAGCG
CACCATCTGCCACTACATCGTGGAGGCCGGGGCTCGCTCATGAAGACAGACCAGCAGGGGCGACACTCCCCGGCA
GCGGGCTGAGAAGGCTCAGGACACCGAGCTGGCCGCTACCTGGAGAACCAGGACACTACCAGATGATCCAGCG
GGAGGACCAGGAGACGGCTGTGTAGCGGGCCGCCACGGGCAGCAGGAGGGACAATGCGGCCAGGGGACGAGCGC
CTTCTTTGCCACCTCACTGCCACATTCCAGTGGGACGGCCACGGGGGACCTAGGCCCCAGGGAAAGAGCCCCA
TGCCGCCCCCTAAGGAGCCGCCAGACCTAGGGCTGGACTCAGGAGCTGGGGGGGCTCACCTGTTCCCTGAGG
ACCCGCGCGGACCCGAGGCTCACAGGGAACAAGACACGGCTGGGTTGGATATGCCTTTGCCGGGGTTCTGGGGC
AGGGCGCTCCCTGGCCGAGCAGATGCCCTCCAGGAGTGGAGGGGCTGGAGAGGGGGAGGCCTTCGGGAAGAGG
CTTCTGGGGCCCCCTGGTCTTCGGCCGGGTCCCCAGCCCCGCTCCTGCCCCACCCACCTCCTCCGGGCTTCTT
CCCGGAAACTCAGCGCCTGCTGCACTTGCTGCCCCGCTTGCTGGCACCCGCTCCGGCGACCCCTCCCCGCTCC
CCTGTCAATTCATCGCGGACTGTGCGGCCTGGGGGTGGGGGGCGGGACTCTCACGGTGACATGTTTACAGCTGGG
TGTGACTCAGTAAAGTGGATTTTTTTTTTCTTTAAAAAAA

3469/6881
FIGURE 3198

MEPRDGSPEARSSDSESASASSSSGSERDAGPEPDKAPRRLNKRRFPGLRRLFGRKAITKSGLQHLAPPPPTPGAP
CSESERQIRSTVDWSESATYGEHIWFETNVSGDFCYVGEQYCVARMLKSVSRRKCAACKIVVHTPCIEQLEKINF
RCKPSFRESGSRNVREPTFVRHHWVHRRRQDGKCRHCGKGFQQKFTFHSKEIVAISCSWCKQAYHSKVSCFMLQQ
IEEPCSLGVHAADVIPPTWILRARRPQNTLKASKKKKRRASFRRKSSKGPPEGRRPFIIRPTPSPLMKPLLVFV
NPKSGGNQGAIIQSFLWYLNPRQVFDLSQGGPKEALEMYRKVHNLRLACGGDGTGWLSTLDQLRLKPPPPV
AILPLGTGNDLARTLNWGGGYTDEPVSKILSHVEEGNVVQLDRWDLHAEPNPEAGPEDRDEGATDRLPLDVFNNY
FSLGFDHAVTLEFHESREANPEKFNSRFRNKMFYAGTAFSDFLMGSSKDLAKHIRVVCDGMDLTPKIQDLKPQCV
VFLNIPRYCAGTMPWGHPPGEHHDFFPQRHDDGYLEVIGFTMTSLAALQVGGHGERLTQCREVVLTTSKAIPVQVD
GEPCKLAASRIRIALRNQATMVQKAKRRSAAPLHSDQQPVPEQLRIQVSRVSMHDYEALHYDKEQLKEASVPLGT
VVVPGDSDLELCRAHIERLQQEPDGAGAKSPTCQKLSPKWCFLDATTASRFYRIDRAQEHLNRYVTEIAQDEIYIL
DPELLGASARPDLPPTSPPLTSPCSPTPRSLQGDAAAPPQGEELIEAAKRND FCKLQELHRAGGDLMRDEQSRT
LLHHAVSTGSKDVVRYLLDHAPPEILDAVEENGETCLHQAAALGQRTICHYIVEAGASLMKTDQQGDTPRQRAEK
AQDTELAAYLENRQHYQMIQREDQETAV

3470/6881
FIGURE 3199

CATCTGAGTAACATGGCGGCGGCGGCGGTAGCCAGGCTGTGGTGGCGCGGGATCTTGGGGGCCTCGGCGCTGACC
AGGGGGACTGGGCGACCCCTCCGTTCTGTTGCTGCCGGTGAGGCGGGAGAGCGCCGGGGCCGACACGCGCCCCACT
GTCAGACCACGGAATGATGTGGCCCAAGCAGCTCTCAGCTTTTGAGAGTATGTGGCTGAAATCTTGCCCAAG
TATGTCCAACAAGTTCAGGTGTCCTGCTTCAATGAGTTAGAGGTCTGTATCCATCCTGATGGCGTCATCCCAGTG
CTGACTTTCCTCAGGGATCACACCAATGCACAGTTCAAATCTCTGGTTGACTTGACAGCAGTGGACGTCCCAACT
CGGCAAACCGTTTTGAGATTGTCTACAACCTGTTGTCTCTGCGCTTCAACTCACGGATCCGTGTGAAGACCTAC
ACAGATGAGCTGACGCCCATTGAGTCTGCTGTCTCTGTGTTCAAGGCAGCCAACTGGTATGAAAGGGAGATCTGG
GACATGTTTGGAGTCTTCTTTGCTAACCACCCTGATCTAAGAAGGATCCTGACAGATTATGGCTTCGAGGGACAT
CCTTTCCGAAAGACTTTCCTCTATCTGGCTATGTTGAGTTACGTTATGATGATGAAGTGAAGCGGGTGGTGGCA
GAGCCGGTGGAGTTGGCCCAAGAGTTCCGCAAATTTGACCTGAACAGCCCCTGGGAGGCTTTCCAGTCTATCGC
CAACCCCGGAGAGTCTCAAGCTTGAAGCCGGAGACAAGAAGCCTGATGCCAAGTAGCTCCAGGGAACGCATGTG
GATCCTAGACAGCGCCTTATCTATGATTGAGTGTCCGTGTAAATAAATTCCTACTTAGACTTAAAAAAAAAAAAA

3471/6881
FIGURE 3200

MAAAVARLWWRGILGASALTRGTGRPSVLLLPVRRESAGADTRPTVRPRNDVAHKQLSAFGEYVAEILPKYVQQ
VQVSCFNELEVCIHPDGVIPVLTFLRDHTNAQFKSLVDLTAVDVPTRQNRFEIVYNLLSLRFNSRIRVKTYTDEL
TPIESAVSVFKAANWYEREIWD MFGVFFANHPDLRRILTDYGFEGHPFRKDFPLSGYVELRYDDEVKRVVAEPVE
LAQEFRKFDLNSPWEAFPVYRQPPELKLKLEAGDKKPKDAK

3472/6881
FIGURE 3201

GATTTCGCTGCTCCGCAGCACGGCCGGAGCTGGTCGGGTCAAGAGTCGGGATTGTGTTGGGAGAGGTTTTTCCACTGG
TCAAGAGAAGGCTTTAAGAAAGACGGTATTAATCTCCCGTTGCGGCTCCCGCCTGGTCCCATCTTCTGCCCCGCTC
CTCCAGGAAATGAATCTGCTGCCGAATATTGAGAGTCCAGTGACTCGGCAGGAGAAGATGGCGACCGTGTGGGAT
GAGGCCGAGCAAGATGGAATTGGGGAGGAGGTGCTCAAGATGTCCACGGAGGAGATCATCCAGCGCACACGGCTG
CTGGACAGTGAGATCAAGATCATGAAGAGTGAAGTGTGAGAGTCACCCATGAGCTCCAAGCCATGAAGGACAAG
ATAAAAGAGAACAGTGAGAAAATCAAAGTGAACAAGACCCTGCCGTACCTTGTCTCCAACGTCATCGAGCTCCTG
GATGTTGATCCTAATGACCAAGAGGAGGATGGTGCCAATATTGACCTGGACTCCCAGAGGAAGGGCAAGTGTGCT
GTGATCAAAACCTCTACACGACAGACGTAATTCCTTCCTGTGATTGGGTTGGTGGATGCTGAAAAGCTAAAGCCA
GGAGACCTGGTGGGTGTGAACAAAGACTCCTATCTGATCCTGGAGACGCTGCCCACAGAGTATGACTCGCGGGTG
AAGGCCATGGAGGTAGACGAGAGGGCCACGGAGCAATACAGTGACATTGGGGGTTTGGACAAGCAGATCCAGGAG
CTGGTGGAGGCCATTGTCTTGCCAATGAACCACAAGGAGAAGTTTGAGAACTTGGGGATCCAACCTCCAAAAGGG
GTGCTGATGTATGGGCCCCCAGGGACGGGGAAGACCCTCCTGGCCCCGGGCCTGTGCCGCACAGACTAAGGCCACC
TTCCTAAAGCTGGCTGGCCCCCAGCTGGTGCAGATGTTTCATTGGAGATGGTGCCAAGCTAGTCCGGGATGCCTTT
GCCCTGGCCAAGGAGAAAGCGCCCTCTATCATCTTCATTGATGAGTTGGATGCCATCGGCACCAAGCGCTTTGAC
AGTGAGAAGGCTGGGGACCGGGAGGTGCAGAGGACAATGCTGGAGCTTCTGAACCAGCTGGATGGCTTCCAGCCC
AACACCCAAGTTAAGGTAATTGCAGCCACAAACAGGGTGGACATCCTGGACCCCGCCCTCCTCCGCTCGGGCCGC
CTTGACCGCAAGATAGAGTTCCCGATGCCCAATGAGGAGGCCCGGGCCAGAATCATGCAGATCCACTCCCGAAAG
ATGAATGTCAGTCTGACGTGAACTACGAGGAGCTGGCCCGCTGCACAGATGACTTCAATGGGGCCCAGTGCAAG
GCTGTGTGTGTGGAGGCGGGCATGATCGCACTGCGCAGGGGTGCCACGGAGCTCACCCACGAGGACTACATGGAA
GGCATCCTGGAGGTGCAGGCCAAGAAGAAAGCCAACCTACAATACTACGCCTAGGGCACACAGGCCAGCCCCAGT
CTCACGGCTGAAGTGCGCAATAAAAGATGGTTTAGGGTCCCTGCC

3473/6881
FIGURE 3202

GGGGCCGCCCGGATCGCCGCCGCCGCCGCCGCACGTACGTGGCATGCCTGGATGTCCCTGCCCTGGCTGTGGCAT
GGCGGGCCCCAAGGCTCCTCTTCCCTCACTGCCCTTGCCCTGGAGCTCTTGAAAGGGCTGGGGGTTCAGCCGGC
CCTCCGGAGCCGGGGGACTGCGACGGCCTGTCGCCTGGACAACAAGGAAAGCGAGTCCTGGGGGGCTCTGCTGAG
CGGAGAGCGGCTGGACACCTGGATCTGCTCCCTCCTGGGTTCCTCATGGTGGGGCTCAGTGGGGTCTTCCCGTT
GCTTGTCAATTCCCCTAGAGATGGGGACCATGCTGCGCTCAGAAGCTGGGGCCTGGCGCCTGAAGCAGCTGCTCAG
CTTCGCCCTGGGGGGACTCTTGGGCAATGTGTTTCTGCATCTGCTGCCCAGCCTGGGCCTACACGTGCAGCGC
CAGCCCTGGTGGTGAGGGGCAGAGCCTGCAGCAGCAGCAACAGCTGGGGCTGTGGGTCAATTGCTGGCATCCTGAC
CTTCTGGCGTTGGAGAAGATGTTCTGGACAGCAAGGAGGAGGGGACCAGCCAGGCCCCCAACAAAGACCCAC
TGCTGCTGCCGCCGCGCTCAATGGAGGCCACTGCTGGCCAGCCGGCTGCAGAGCCCGGCCTCGGTGCCGTGGT
CCGGAGCATCAAAGTCAGCGGCTACCTCAACCTGCTGGCCAACACCATCGATAACTTCACCCACGGGCTGGCTGT
GGCTGCCAGCTTCTTGTGAGCAAGAAGATCGGGCTCCTGACAACCATGGCCATCCTCCTGCATGAGATCCCCCA
TGAGGTGGGCGACTTTGCCATCCTGCTCCGGGCCGGCTTTGACCGATGGAGCGCAGCCAAGCTGCAACTCTCAAC
AGCGCTGGGGGGCCTACTGGGCGCTGGCTTCGCCATCTGTACCCAGTCCCCCAAGGGAGTAGTTGGGTGTTCTCC
CGCTGCAGAGGAGACGGCAGCCTGGGTCTGCCCTTACCTCTGGCGGCTTTCTCTACATCGCCTTGGTGAACGT
GCTCCCTGACCTCTTGGAAGAAGAGGACCCGTGGCGCTCCCTGCAGCAGCTGCTTCTGCTCTGTGCGGGCATCGT
GGTAATGGTGTGTTCTCGCTCTTCGTGGATTAACTTCCCTGATGCCGACGCCCCTGCCCCCTGCAGCAATAAG
ATGCTCGGATTCACTCTGTGACCGCATATGTGAGAGGCAGAGAGGGCGAGTGGCTGCGAGAGAGAATGAGCCTCC
CGCCAGACAGGAGGGAGGTGCGTGTGGATGTATGTGGTGTGCACATGTGGCCAGAGGTGTGTGCGCGAGACCGAC
ACTGTGATCCCTGTGCTGGGTCCGGGGCCAGTGTAGCGCCTGTCCCAGCCATGCTGTGGTTACCTCTCCTTGC
CGCCCTGTACCTTACCTCCCGGAGTAAGCAGCGAGGAAGAGCAGCACTGGTCCCAAGCAGAGGCCTTGCCCTG
CTGGGACCCCGGGAGTGAGAGCAGCCCAAGGATCCAGGGTGCAGGGAACCTCAGAGCTGCCACCTCCCACTGCC
CCCTCAGCACACACAGTCCCCAGGCGGCCTAGGGGCCAAGGCTGGGGCGGCTTTGGTCCCTTTTCTGGCCCT
TCCTTCCCCACTTCTAAGCCAAAGAAAGGAGAGGCAGGTGCTCCTGTACCCAGCCCCACTCAGCACTGACAGTC
CCCAGCTCCTAGTAGTGAGCTGGGAGGCGCTTCCTAAGACCCTTTCTCAGGGCTGCCCTGGGAGCTCATTCTTG
GCCAACACGCCCTGGCAGCACCAGCAGCTCTTGCCACCTCCAGCTGCCAAACAGCAGCCTGCCGGGCAGGGAGCA
GCCCCAGGCCAGAGAGGCCTCCCGGTCCAGCTCAGGGATGCTCCTGCCAGCACAGGGGCCAGGGACTCCTGGAGC
AGGCACATAGTGAGCCCGGGCAGCCCTGCCAGCTCAGGCCCTTTCTTCCCCATTGAGGTTGGGGTAGGTGGG
GGCGGTGAGGGCTCCACGTTGTCAGCGCTCAGGAATGTGCTCCGGCAGAGTGCTGAAGCCATAATCCCCAACCAT
TTCCCTTGGCTGACGCCCAGGTACTCAGCTGGCCCACTCCACAGCCAGGCCTGGCCCTGCCCTTACCGTGGATG
TTTTCAGAAGTGGCCATCGAGAGGTCTGGATGGTTTTATAGCAACTTTGCTGTGATTCCGTTTGTATCTGTAAAT
ATTTGTTCTATAGATAAGATACAAATAAATATTATCCACAT

3474/6881
FIGURE 3203

MPGCPGCGMAGPRLLFLTALALELLERAGGSQPALRSRGTTATACRLDNKESESWGALLSGERLDTWICSLGSL
LMVGLSGVFPLLVIPIEMGTMLRSEAGAWRLKQLLSFALGGLLGNVFLHLLPEAWAYTCSASPGGEGQSLQQQQQ
LGLWVIAGILTFLEALEKMF LDSKEEGTSQAPNKDPTAAAAALNGGHCLAQPAAEPGLGAVVRSIKVSGYLNLLAN
TIDNFTHGLAVAASFVSKKIGLLTTMAILLHEIPHEVGDFAILLRAGFDRWSAAKLQLSTALGGLLGAGFAICT
QSPKGVVGCSPAAEETAAWVLPFTSGGFLYIALVNVLPDLLEEEDPWRSLQQLLLLCAGIVVMVLFSLFVD

3475/6881
FIGURE 3204

CAGTGCCTTGGTAATGACCAGGGCTCCAGAAAGAGATGTCCTTGTGGCTGGGGGCCCCCTGTGCCTGACATTCCCTC
CTGACTCTGCGGTGGAGCTGTGGAAGCCAGGCGCACAGGATGCAAGCAGCCAGGCCCAGGGAGGCAGCAGCTGCA
TCCTCAGAGAGGAAGCCAGGATGCCCCACTCTGCTGGGGGTACTGCAGGGGTGGGGCTGGAGGCTGCAGAGCCCA
CAGCCCTGCTCACCAGGGCAGAGCCCCCTTCAGAACCCACAGAGATCCGTCCACAAAAGCGGAAAAAGGGGCCAG
CCCCAAAATGCTGGGGAACGAGCTATGCAGCGTGTGTGGGGACAAGGCCTCGGGCTTCCACTACAATGTTCTGA
GCTGCGAGGGCTGCAAGGGATTCTTCCGCCGACGCTCATCAAGGGAGCGCACTACATCTGCCACAGTGGCGGCC
ACTGCCCCATGGACACCTACATGCGTCGCAAGTGCCAGGAGTGTGCGCTTCGCAAAATGCCGTCAGGCTGGCATGC
GGGAGGAGTGTGTCTCTGTCAGAAGAACAGATCCGCCTGAAGAAACTGAAGCGGCAAGAGGAGGAACAGGCTCATG
CCACATCCTTGCCCCCAGGCGTTCCTCACCCCCCAAATCCTGCCCCAGCTCAGCCCGGAACAACACTGGGCATGA
TCGAGAAGCTCGTCTGCTGCCCAGCAACAGTGTAACCGGCGCTCCTTTTCTGACCGGCTTCGAGTCACGCCTTGGC
CCATGGCACCAGATCCCCATAGCCGGGAGGCCCGTCAGCAGCGCTTTGCCCACTTCACTGAGCTGGCCATCGTCT
CTGTGCAGGAGATAGTTGACTTTGCTAAACAGCTACCCGGCTTCCTGCAGCTCAGCCGGGAGGACCAGATTGCCC
TGCTGAAGACCTCTGCGATCGAGGTGATGCTTCTGGAGACATCTCGGAGGTACAACCTGGGAGTGAGAGTATCA
CCTTCCTCAAGGATTCAGTTATAACCGGGAAGACTTTGCCAAAGCAGGGCTGCAAGTGGGAATTCATCAACCCCA
TCTTCGAGTTCTCCAGGGCCATGAATGAGCTGCAACTCAATGATGCCGAGTTGCCTTGCTCATTGCTATCAGCA
TCTTCTCTGCAGACCGGCCAACGTGCAGGACCAGCTCCAGGTGGAGAGGCTGCAGCACACATATGTGGAAGCCC
TGATGCCTACGTCTCCATCCACCATCCCCATGACCGACTGATGTTCCACGGATGCTAATGAAACTGGTGAGCC
TCCGACCCCTGAGCAGCGTCCACTCAGAGCAAGTGTTTGCCTGCGTCTGCAGGACAAAAAGCTCCCACCGCTGC
TCTCTGAGATCTGGGATGTGCACGAATGACTGTTCTGTCCCATATTTTCTGTTTTCTTGGCCGGATGGCTGAGG
CCTGGTGGCTGCCTCCTAGAAGTGGAACAGACTGAGAAGGGCAAACATTCTGGGAGCTGGGCAAGGAGATCCTC
CCGTGGCATTAAAAGAGAGTCAAAGGGT

3476/6881
FIGURE 3205

MSLWLGAPVPDIPPDSAVE LWKPGAQDASSQAQGGSSCILREEARMPHSAGGTAGVGLEAAEPTALLTRAEPPE
PTEIRPQKRKKGPAPKMLGNELCSVCGDKASGFHYNVLSCEGCKGFFRRSVIKGAHYICHSGGHCPMDTYMRRKC
QECRLRKCRQAGMREECVLSEEQIRLKKLKRQEEQAHATSLPPRRSSPPQILPQLSPEQLGMIEKLVAQQQCN
RRSFSDRLRVTPWPMAPDPHSREARQQRFAHFTELAIVSVQEIVDFAKQLPGFLQLSREDQIALKTS AIEVMLL
ETSRRYNPGSESITFLKDFSYNREDFAKAGLQVEFINPIFEFSRAMNELQLNDAEFALLIAISIFSADRENVQDQ
LQVERLQHTYVEALHAYVSIHHPHDLRMFPRMLMKLVSLRTLSSVHSEQVFALRLQDKKLPLLSEIWDVHE

3477/6881
FIGURE 3206

TTGCTGCATAGATTACAACGGTGATGCGGGGCAAGCGGTCCGGCTGGAGCCGGGCGGCTCTCCTCCAGCTCCTTC
TCGGCGTGAACTGGTGGTGATGCCGCCACCCGGGCGCGGAGTCTGCGCTTCGTTACCTTGCTGTACCGCCATG
GAGACCGTTACACAGTGAAGACATATCCCAAGGACCCCTATCAGGAAGAAGAATGGCCCCAGGGGTTTGGTCAGT
TAACCAAGGAGGGGATGCTACAGCACTGGGAAC TGGGCCAGGCCCTGCGGCAGCGCTATCACGGCTTCCTAAACA
CCTCTTATCACCGGCAAGAGGTTTATGTGCGAAGCACAGACTTTGACCGGACTCTCATGAGTGCTGAGGCCAAC
TGGCTGGACTCTTCCCTCCCAACGGGATGCAGCGCTTCAACCCGAACATCTCGTGGCAGCCTATTCTGTGCACA
CTGTGCCCATCACTGAGGACAGGCTGCTGAAGTTCCCGTTGGGCCCATGTCCCGTTATGAGCAGCTGCAGAACG
AGACCCGGCAGACACCAGAGTATCAGAATGAGAGTTCTCGGAATGCACAATTTCTGGACATGGTGGCCAACGAGA
CAGGGCTTACAGACCTGACACTGGAGACCGTCTGGAATGTCTATGACACACTCTTCTGTGAGCAAACGCACGGGC
TGCGCCTGCGGCCCTGGGCCTACCCCAAACCATGCAGCGTCTCAGCCGGCTAAAGGACTTCAGCTTCCGCTTCC
TCTTCGGAATCTACCAGCAGGCGGAGAAGGCCCGGCTTCAGGGGGGAGTCTGCTGGCTCAGATAAGGAAGAACC
TGACCCTAATGGCGACCACTCCAGCTCCCCAAGCTGCTGGTTTACTCTGCGCACGACACTACCCTGGTTGCC
TGCAAATGGCACTGGATGTCTACAATGGTGAACAAGCCCCCTACGCCTCCTGCCACATATTTGAAGTGTACCAG
AAGATTCTGGGAATTTCTCAGTGAGATGTACTTTCGGAACGAGAGTGACAAGGCCCCCTGGCCGCTCAGCCTGC
CTGGCTGCCCTCACCGCTGCCCACTGCAGGACTTCCTTCGCCTCACAGAGCCCGTCTGTGCCCAAGGATTGGCAGC
AGGAGTGCCAGCTGGCAAGCGGTCTGTCAGACACAGAGGTGATTGTGGCCTTGGCTGTATGTGGCTCCATCTCT
TCCTCCTCATAGTGCTGCTCCTCACCGTCTCTTCCGGATGCAGGCCAGCCTCCTGGCTACCGCCACGTGCGAG
ATGGGGAGGACCACGCCTGACAACCACTCAGCCCCCTTCCCTCCACCTCCTAGGGGAGGTGGGCTGGGCCCTCGC
TCCTGACTGTTGCTGCTCCCCAGCCCATGGACAGGAGATCCTGGTTGGGCCTCCCTCTGATGACCCAGCCAGA
TGAGCGAGTGGGGCTCAGCGTGGCCCATGGTGCCTGTCACTCAGCATTCCCATGCCTGATGTTTACCAAGTGCTG
TGTTGGACACTGGCTTTTCTCAAACAGGATTTGCCTCCTCCACGCTCCCTACACACCTGAGATGTAACTGGCAG
TCAGTGTTCACTCAGGACCTAGGATTAGAAAATGGCAGAGTTGGTGCTGGATCCACCTTGCACTTCTATCAAGCC
CTGTTCTTTTTCTCCAGCCTGAAGTCTTCGGCAAATAGCTCAGAGGGACACGGTCTTGCCTCTCAGTGCTTATT
TTAGTGGGAAAAACAGCTAATACCAGGGGTACAAACATTGGCTCCCAAGGAAC TGGATCACCAACAGCCAGCCA
GCCACATTTCCCTGTGTCTGGCTAGAGCCACCATTAGACTCAGACAGAATGCTTCAGGAATCGTTGTACCCCTT
CAACTGGAGCAGGACGGAAGGTTGTCTGTACTTTGGGAGGGAGTGGGGAGTGGTGGGAAGGGAGTTGCTTGTACA
CGAATCAGGAAACTGCTCTCCCTCAGCTGGGCTGGGGTCTCCAGGGACCTGAGCTACATGCAGGTTGTGAGCTGG
AAAAGAAAGTTCTAGACTGTGGCCAGAATAGGGCTGGGGCAGCTCCCAGAGAATGAATAGTGCTGTTTCTATT
GGACTGATA

3478/6881

FIGURE 3207

MAGKRSGWSRAALLQLLLVNLLVVMFPTRARSLRFVTLTYRHGDRSPVKTYPKDPYQEEEWPOGFGQLTKEGMLQ
HWELGQALRQRYHGFLNTSYHRQEVYVRSTDFDRTLMSAEANLAGLFPPNGMQRFNPNISWQPIPVHTVPITEDR
LLKFPLGPCPRYEQLONETRQTPEYQNESSRNAQFLDMVANETGLTDLTLETVWNVYDTLFCQTHGLRLPPWAS
PQTMQRLSRLKDFSFRFLFGIYQQA EKARLQGGVLLAQIRKNLTLMATTSQLPKLLVYSAHDTTLVALQMALDVY
NGEQAPYASCHIFELYQEDSGNFSVEMYFRNESDKAPWPLSLPGCPHRCPLQDFLRLTEPVVPKDWQQECQLASG
PADTEVIVALAVCGSILFLLIVLLLTVLFRMQAPPQYRHHVADGEDHA

3479/6881
FIGURE 3208

GAGCTCCAAGCTGGTTTGAACAAGCCCTGGGCATGTTTGGCGGGAAGTTGGCTTAGCTCGGCTACCTGTGGCCCC
GCAGTTTTGTAGTCCCCGCCTTGTTTCTCCCCAGAGGCCTCTCAATCCTCCCTCCATGATCTTCGCATAGAGCAC
AGTACCCCTTCACACGGAGGACGCGATGGCTCCCAAGAAACGCCCAGAAACCCAGAAGACCTCCGAGATTGTATT
ACGCCCCAGGAACAAGAGGAGCAGGAGTCCCCTGGAGCTGGAGCCCCGAGGCCAAGAAGCTCTGTGCGAAGGGCTC
CGGTCTTAGCAGAAGATGTGACTCAGACTGCCTCTGGGTGGGGCTGGCTGGCCCCACAGATCCTGCCACCATGCCG
CAGCATCGTCAGGACCCCTCCACCAGCATAAGCTGGGCAGAGCTTCTGGCCATCTGTCCAGCAGGGGGCTCCAGCA
GTCCTTTTTGCACACTCTGGATTCTTACCGGATATTACAAAAGGCTGCCCCCTTTGACAGGAGGGCTACATCCTT
GGCGTGGCACCCAACTCACCCCAGCACCGTGGCTGTGGGTTCCAAAGGGGGAGATATCATGCTCTGGAATTTTGG
CATCAAGGACAAAACCCACCTTCATCAAAGGGATTGGAGCTGGAGGGAGCATCACTGGGCTGAAGTTTAACCCCTCT
CAATACCAACCAGTTTTTACGCCTCCTCAATGGAGGGAACAACCTAGGCTGCAAGACTTTAAAGGCAACATTCTACG
AGTTTTTGGCCAGCTCAGACACCATCAACATCTGGTTTTGTAGCCTGGATGTGTCTGCTAGTAGCCGAATGGTGGT
CACAGGAGACAACGTGGGGAACGTGATCCTGCTGAACATGGACGGCAAAGAGCTTTGGAATCTCAGAATGCACAA
AAAGAAAGTGACGCATGTGGCCCTGAACCCATGCTGTGATTGGTTTCTGGCCACAGCCTCCGTAGATCAAACAGT
GAAAATTTGGGACCTGCGCCAGGTTAGAGGGAAAGCCAGCTTCTCTACTCGCTGCCGCACAGGCATCCTGTCAA
CGCAGCTTGTTTCAGTCCCGATGGAGCCCGGCTCCTGACCACGGACCAGAAGAGCGAGATCCGAGTTTACTCTGC
TTCCAGTGGGACTGCCCCCTGGGCCTGATCCCGCACCTCACCGTCACTTCCAGCACCTCACACCCATCAAGGC
AGCCTGGCATCCTCGCTACAACCTCATTGTTGTGGGCCGATACCCAGATCCTAATTTCAAAGTTGTACCCCTTA
TGAATTGAGGACGATCGACGTGTTTCGATGGAACTCAGGGAAGATGATGTGTGCTAGCTCTATGACCCAGAATCTTC
TGGCATCAGTTCGCTTAATGAATTCAATCCCATGGGGGACACGCTGGCCTCTGCAATGGGTTACCACATTCTCAT
CTGGAGCCAGGAGGAAGCCAGGACACGGAAGTGAGAGACACTAAAGAAGGTGTGGGCCAGACAAGGCCTTGGAGC
CCACACATGGGATCAAGTCCTGCAAGCAGAGGTGGTGATTTGTTAAAGGGCCAAAAGTATCCAAGGTTAGGGTTG
GAGCAGGGGTGCTGGGACCTGGGGCACTGTGGGACTGGGACACTTTTATGTTAATGCTCTGGACTTGCCTCCAGA
GACTGCTCCAGAGTTGGTGACACAGCTGTCCCAAGGGCCCCTCTGTATCTAGCCTGGAACCAAGGTTATCTTGA
ACTAAATGACTTTTCTCCTCTCAGTGGGTGGTAGCAGAGGGATCAAGCAGTTATTTGATTGTGCTCTTTTGATA
TGGCCAATAAAACCATACCG

3480/6881
FIGURE 3209

MAPKKRPETQKTSEIVLRPRNKRSRSPLELEPEAKKLCAGSGPSRRCDSDCLWVGLAGPQILPPCRSIVRTLHQ
HKLGRASWPSVQQGLQQSFLHTLDSYRILQKAAPFDRRATSLAWHPHTPSTVAVGSKGGDIMLWNFGIKDKPTFI
KGIGAGGSITGLKFNPNTNQFYASSMEGTTRLQDFKGNILRVFASSDTINIWFCSLDVSASSRMVVTGDNVGNV
ILLNMDGKELWNLRMHKKKVTHVALNPCCDWFLATASVDQTVKIWDLRQVRGKASFLYSLPHRHPVNAACFSPDG
ARLLTTDQKSEIRVYSASQWDCPLGLIPHRHFQHLTPIKAAWHPRYNLIVVGRYPDPNFKSCTPYELRTIDVF
DGNSGKMMCQLYDPESGSISSLNEFNPMGDTLASAMGYHILIWSQEEARTK

3482/6881
FIGURE 3211

MAPEEDAGGEALGGSFWEAGNYRRTVQRVEDGHRLCGDLVSCFQERARIEKAYAQQQLADWARKWRGTVEKGPQYG
TLEKAWHAFFTTAAERLSALHLEVREKLQGQDSERVRAWQRGAFHRPVLGGFRESRAAEDGFRKAQKPWLKRLKEV
EASKKSYHAARKDEKTAQTRESHAKADSAVSQEQLRKLQERVERCAKEAEKTKAQYEQTLAELHRYTPRYMEDME
QAFETCQAAERQRLFFKDMLLTLHQHLDLSSSEKFHELHRDLHQGIEAASDEEDLRWWRSTHGPGMAMNWPQFE
EWSLDTQRTISRKEKGGRSPDEVTLTSIVPTRDGTAPPPQSPGSPGTGQDEEWSDEESPRKAATGVRVRALYDYA
GQEADELSFRAGEELLKMSEEDEQGWCCQQLQSGRIGLYPANYVECVGA

3483/6881
FIGURE 3212

TGGGAAGGAGAGAAAATGGCGGCGGAGCCGAACAAGACCGAAATCCAGACTCTTTTTTAAGAGGCTTCGCGCAGTT
CCAACCAACAAGGCCTGTTTCGACTGCGGCGCCAAGAATCCGAGTTGGGCCAGCATCACGTACGGTGTTTTCTTG
TGCATTGACTGTTCCGGGGTGCACCGCTCCCTGGGCGTCCATCTGAGCTTCATCAGGTCCACAGAGTTGGATTCC
AACTGGAAGTGGTTCCAGCTGAGGTGTATGCAGGTGCGGCGGAATGCCAATGCGACGGCTTTTTTTCGCCAACAT
GGATGCACAGCCAATGATGCCAACACCAAATATAATAGCCGAGCTGCCCAGATGTACCGGGAGAAGATCCGGCAG
CTGGGGAGTGGGGCCCTGGCTAGGCATGGCACTGATCTTTGGATAGACAACATGAGTAGTGCCGTTCTTAATCAC
TCCCCAGAGAAGAAGGACTCTGATTCTTCACAGAACACACTCAACCCCTGCCTGGGATGCGCCAGCCACTGAG
CCTTCAGGGACCCAGCAGCCAGCCCCGTCTACAGAGAGCAGTGGCCTGGCACAGCCGGAGCATGGCCCCAACACA
GACCTGCTTGGCACCTCACCCAAAGCCTCACTGGAAGTGAAGCTCCATCATTGGCAAGAAGAAGCCAGAGCTT
CAGTGAGATTGAGCGGCAGGCTCAGGTGGCAGAGAAGCTCCGTGAGCAGCAGGCAGCCGATGCCAAGAAGCAGGC
GGAGGAGTCCATGGTTCGCTCCATGCGTCTGGCCTACCAGGAGCTCCAGATTGATCGTAAGAAAGAGG

3484/6881
FIGURE 3213

MAAEPNKTEIQTLFKRLRAVPTNKACFDCGAKNP SWASITYGVFLCIDCSGVHRS LGVHLSFIRSTELDSNWNWF
QLRCMQVGGNANATAFFRQHGCTANDANTKYN SRAAQMYREKIRQLGSAALARHGTDLWIDNMSSAVPNHSPEKK
DSDFTEHTQPPAWDAPATEPSGTQQPAPSTESSGLAQPEHGPNTDLLGTSPKASLELKSSIIGKKKPAAAKKGL
GAKKGLGAQKVSSQSFSEIERQAQVAEKLREQQAADAKKQAEESMVASMLAYQELQIDRKKEEKKLQNLGKRR
EQAERLGMGLVSRSSVSHSVLSEMQVIEQETPVSAKSSRSQDLDFDDVGT FASGPPKYKDNPFSLGESFGSRWDT
DAAWGMDRVEEKEPEVTISSIRPI SERATNRREVESRSSGLESSEARQKFAGAKAISSDMFFGREVDAEYEARSR
LQQLSGSSAISSSDLFGDMDGAHGAGSVSLGNVLP TADIAQFKQGVKSVAGKMAVLANGVMNSIQDRYGSY

3485/6881
FIGURE 3214

GAAAAAGGGGGTTTCGTTTACATGCTGTGAGATCACCGCAAACCTACCTCACTGTGTTGAAACGGGACAAATACA
ATAGAACGCATTGGGTGGTGTGTGTCTGATCCTGGGTTCTTGTCTCCCTAAATGCTGCCCCCAAGTTACTGTA
TTTGTCTGGGCTTTGTAGGACTTCACTAAGTTGATTGCTAGGTGGCCTAGTTTGTGTAAATATAATGTATTGGTC
TTCTCCGTTCTTTTGGGGGTTTTGTTTACAAAGTTCTTTTTTGTATTGAGAGAAAAATAGCCAAAGCATCTTTG
ACAGAAGTTTCTGCACCAGGCAAAAAGATCTGAAACATTAGTTTGGGGGGCCCGCTTCTTAAAGTGGGGATCTTG
AACCATCCTTTCTTTTGTATTCCCTTCCCTTATTACCTATTAGACCAGATCTTCTGTCTTAAAACTTGTCTTC
TACCCTGCCCTCTTTTCTGTTTCAACCCCAAAAGAAACTTACACACCCACACACATACACATTTAATGCTTGGAG
TGTCTCCACAACCTCTTAAATGATGTATGCAAAAATCCTGAAGCTAGGAAAACCTCCATCCCTTGTCCCAACCT
CCTAAGTCAAGACCATTACCATTTCTTTCTTTTTTGGTGGGGGGGGGGGGTGGATGGAGTCTCGCTCTGTCTGC
CCAGGCGGAGGTTGCAGTGAGCTGAGATCGCACCCTGCACTCCAGCCTGGTTACAGAGCAAGACCCTGTCTCGA
AAAAAAAAAAAAACAAAAAACAAAAAACCACACTACTGTATTTGGATGGATCAAACCTACTTACTTTT
AATTTCTAATCCTAAAGTAAAGAGATGCAATTGGGGGCCTTCCATGTAGAAAGTGGGGTCAGGAGGCCAAGAAAG
GGAATATGAATGTATATCCAAGTCACTCAGGAACTTTTATGCAGGTGGTAGAACTTATGTCAAAGTGGCCACAA
GATTGTTTAATAGGAGATGAATGAATGTAACCTCATGTTTACTGCTAGAAACCAAAGCTTTGTGTAAAATCTTGA
ATTTATGGGGAGGGAGGGTAGGAAAGCCTGTACCTGTCTGTTTTTTTCTGATCCTTTCCCTCATTCCTGAACT
GCAGGAGACTGAGCCCTTTGGGCTTTGGTGACCCATCACTGGGGTGTGTTTATTTGACGGTTGATTTTGCTGT
ACTGGGTACTTCCTTTCCCATTTTCTCATCATTTTTTAACACATGCTGACTCTTCCCTTCCCTTCTCCTTTCCCT
GGGAAAATACAATGAATAAATAAAGACTTACTGGTAC

3486/6881
FIGURE 3215

GAATTCCGTACGGCTTCCGGTGGCGGGACGCGGGGCCGCGCACGCGGGAAAAGCTTCCCCGGTGTCCCCCATCC
CCCTCCCCGCGCCCCCCCCCGCTCCCCCAGCGCGCCACCTCTCGCGCCGGGGCCCTCGCGAGGCCGCGAGCCTG
AGGAGATTCCCAACCTGCTGAGCATCCGCACACCCACTCAGGAGTTGGGGCCAGCTCCAGTTTACTTGGTTTC
CCTTGTGACAGCTGGGGCTCTGCCCAGGCCACCACAGGCAGGGGTCGACATGGCAGAGACACTGGAGTTCAACGA
CGTCTATCAGGAGGTGAAAGGTTCCATGAATGATGGTCGACTGAGGTTGAGCCGTCAGGGCATCATCTTCAAGAA
TAGCAAGACAGGCAAAGTGGACAACATCCAGGCTGGGGAGTTAACAGAAGGTATCTGGCGCCGTGTTGCTCTGGG
CCATGGACTTAAACTGCTTACAAAGAATGGCCATGTCTACAAGTATGATGGCTTCCGAGAATCGGAGTTTGAGAA
ACTCTCTGATTTCTTCAAACTCACTATCGCCTTGAGCTAATGGAGAAGGACCTTTGTGTGAAGGGCTGGAAGT
GGGGACAGTGAAATTTGGTGGGCAGCTGCTTTCTTTGACATTGGTGACCAGCCAGTCTTTGAGATACCCCTCAG
CAATGTGTCCAGTGCACCACAGGCAAGAATGAGGTGACACTGGAATTCCACCAAACGATGACGCAGAGGTGTC
TCTCATGGAGGTGCGCTTCTACGTCCCACCCACCCAGGAGGATGGTGTGGACCCTGTTGAGGCCTTTGCCAGAA
TGTGTTGTCAAAGGCGGATGTAATCCAGGCCACGGGAGATGCCATCTGCATCTTCCGGGAGCTGCAGTGTCTGAC
TCCTCGTGGTCTTATGACATTGCGATCTACCCACCTTTCTGCACCTGCATGGCAAGACCTTTGACTACAAGAT
CCCCTACACCACAGTACTGCGTCTGTTTTTGTATCCCCACAAGGACCAGCGCCAGATGTTCTTTGTGATCAGCCT
GGATCCCCCAATCAAGCAAGGCCAAACTCGCTACCACTTCTGATCCTCCTCTTCTCCAAGGACGAGGACATTTT
GTTGACTCTGAACATGAACGAGGAAGAAGTGGAGAAGCGCTTTGAGGGTCGGCTCACCAAGAACATGTCAGGATC
CCTCTATGAGATGGTCAGCCGGGTCATGAAAGCACTGGTAAACCGCAAGATCACAGTGCCAGGCAACTTCCAAGG
GCACTCAGGGGCCAGTGCATTACCTGTTCTTACAAGGCAAGCTCAGGACTGCTCTACCCGCTGGAGCGGGGCTT
CATCTACGTCCACAAGCCACCTGTGCACATCCGCTTCGATGAGATCTCCTTTGTCAACTTTGCTCGTGGTACCAC
TACTACTCGTTTCTTTGACTTTGAAATTGAGACCAAGCAGGGCACTCAGTATACCTTCAGCAGCATTGAGAGGGA
GGAGTACGGGAAACTGTTTGAATTTGTCAACGCGAAAAAGCTCAACATCAAAAACCGAGGATTGAAAGAGGGCAT
GAACCCAAGCTACGATGAATATGCTGACTCTGATGAGGACCAGCATGATGCCTACTTGGAGAGGATGAAGGAGGA
AGGCAAGATCCGGGAGGAGAATGCCAATGACAGCAGCGATGACTCAGGAGAAGAAACCGATGAGTCATTCAACCC
AGGTGAAGAGGAGGAAGATGTGGCAGAGGAGTTTGACAGCAACGCCTCTGCCAGCTCCTCCAGTAATGAGGGTGA
CAGTGACCGGGATGAGAAGAAGCGGAAACAGCTCAAAAAGGCCAAGATGGCCAAGGACCGCAAGAGCCGCAAGAA
GCCTGTGGAGGTGAAGAAGGGCAAAGACCCCAATGCCCCAAGAGGCCCATGTCTGCATACATGCTGTGGCTCAA
TGCCAGCCGAGAGAAGATCAAGTCAGACCATCCTGGCATCAGCATCACGGATCTTTCCAAGAAGGCAGGCGAGAT
CTGGAAGGGAATGTCAAAGAGAAGAAAGAGGAGTGGGATCGCAAGGCTGAGGATGCCAGGAGGGACTATGAAAA
AGCCATGAAAGAATATGAAGGGGGCCGAGGCGAGTCTTCTAAGAGGGACAAGTCAAAGAAGAAGAAGAAAGTAAA
GGTAAAGATGGAAAAGAAATCCACGCCCTCTAGGGGCTCATCATCAAGTCGTCTCAAGGCAGCTAAGCGAGAG
CTTCAAGAGCAAAGAGTTTGTGTCTAGTGATGAGAGCTCTTCGGGAGAGAACAAGAGCAAAAAGAAGAGGAGGAG
GAGCGAGGACTCTGAAGAAGAAGAACTAGCCAGTACTCCCCCAGCTCAGAGGACTCAGCGTCAGGATCCGATGA
GTAGAAACGGAGGAAGGTTCTCTTTGCGCTTGCTTCTCACACCCCCGACTCCCCACCCATATTTTGGTACCAG
TTTCTCCTCATGAAATGCAGTCCCTGGATTCTGTGCCATCTGAACATGCTCTCCTGTTGGTGTGTATGTCACTAG
GGCAGTGGGAGACGTCTTAACTCTGCTGCTTCCAAGGATGGCTGTTTATAATTTGGGGAGAGATAGGGTGGGA
GGCAGGGCAATGCAGGATCCAAATCCTCATCTTACTTTCCCGACCTTAAGGATGTAGCTGCTGCTTGTCTGTTT
AAGTTGCTGGAGCAGGGGTGATGTGAGGCCAGGCCTGTAGCTCCTACCTGGGGCCTATTTCTACTTTTCAATTTGT
ATTTCTGGTCTGTGAAAATGATTTAATAAAGGGAAGTGAATTTGGAAACCAAAAAAGGAATTC

3487/6881
FIGURE 3216

MAETLEFNDVYQEVKGSMDGRLRLSRQGIIFKNSKTGKVDNIQAGELTEGIWRRVALGHGLKLLTKNGHVYKYD
GFRESEFEKLSDFFKTHYRLELMEKDLCVKGWNWGTVKFGGQLLSFDIGDQPVFEIPLSNVSQCTTGKNEVTLEF
HQNDDAEVSLMEVRFYVPPTQEDGVDPEAFAQNVLSKADVIQATGDAICIFRELQCLTPRGRYDIRIYPTFLHL
HGKTFDYKIPYTTVLRLFLPHKDQRMFFVISLDPPIKQGQTRYHFLILLFSKDEDISLTLNMNEEEVEKRFEG
RLTKNMSGSLYEMVSRVMKALVNRKITVPGNFQGHSGAQCITCSYKASSGLLYPLERGFYVHKPPVHIRFDEIS
FVNFARGTTTTTSFDFEIEKQGTQYTFSSIEREEYGKLFDFVNAKKLNKRNRLKEGMNPSYDEYADSDQHD
AYLERMKEEGKIREENANDSSDDSGEETDESFNPGEEEEEDVAEEFDSNASASSSSNEGDSRDEKKRKQLKKAKM
AKDRKSRKKPVEVKKGKDPNAPKRPM SAYMLWLNASREKIKSDHPGISITDLSKKAGEIWKGMSKEKKEEWDKA
EDARRDYEKAMKEYEGGRGESSKRDKSKKKKKVKVMEKKSTPSRGSSSKSSSRQLSESFKSKEFVSSDESSSGE
NKSKKKRRRSEDSEEEELASTPPSSSEDASGSDE

3488/6881
FIGURE 3217

ATGGCCTCCACGAAGTTGATAATGCAGAGCTGGGGTCAGCCTCTGCCCATGGTACCCCAGGCAGTGAGGCGGGA
CCAGAAGAGCTGAATACTTCTGTCTACCAGCCCATAGATGGATCACCAGATTATCAGAAAGCAAAATTACAAGTT
CTTGGGGCCATCCAGATCCTGAATGCAGCAATGATTCTGGCTTTGGGTGTCTTTCTGGGTTTCCTTGCAATACCCA
TACCACTTCCAAAAGCACTTCTTTTTCTTCACCTTCTACACAGGCTACCCGATTTGGGGTGCTGTGTTTTCTGT
AGTTCAGGAACCTTGTCTGTTGTAGCAGGGATAAAACCCACAAGAACATGGATACAGAACAGTTTTGGAATGAAC
ATTGCCAGTGCTACAATTGCACTAGTGGGGACTGCTTTTCTCTCACTAAATATAGCAGTTAATATCCAGTCATTA
AGGAGTTGTCACTCTTCATCAGAGTCACCGGACCTATGCAATTACATGGGCTCCATATCAAATGGCATGGTGTCT
CTACTGCTGATTCTCACCTTGCTGGAATTATGCGTAACCATCTCTACCATAGCCATGTGGTGCAATGCAAACCTGC
TGTAATTCAAGAGAGGAAATTCCTCACCTCCCAATTCTGTGTAA

3489/6881
FIGURE 3218

AGGTTTCGGCGGGGGCTGCACGTGCGCAGGGGTGTGGAACTTACCGGCTGAGCCATGGGATACACCGTTAAGGCG
CAGCCGACGGCTGGGAGGCCTAAGGCCGAATCCCCGAGAGCCTCACCTCAGTTTCGCGGACGAGACGGGCCCT
TGTGGAGTTTCGAGTCGAACCCAGAAGAAACGAGGGAGCCGGGTCTCCTCCGAGTGTGCAGCGGGCTGGCCTGGG
GTCCCCGAAAGGCCGCCGAAGACAAGCCAGGATCACCCCGTCTGCAGCAGGGTGCAGGCTTGGAGTCACCCCA
AGGGCAGCCAGAGCCAGGCGCAGCGTCCCCCAGCGTCAGCAAGACCTACACCTGGAGTCGCCTCAAAGACAGCC
AGAGTACAGTCCTGAATCCCCACGATGTCAGCCGAAGCCAAGTGAGGAGGCACCAAAGTGTTCTCAGGACCAGGG
AGTACTGGCCTCGGAGTTGGCCCAGAATAAGGAGGAGCTGACCCCGGGGGSCCCCCAGCATCAGCTACCGCCGGT
CCCAGGATCACAGAGCCTTACCCCGGTTCAGCAAGCTCCCGGTCCGGAGCCCTCTCAGCCACTACTGGAGCTGAC
ACCCAGGGCACCTGGCTCCCCCGGGGTTCAGCATGAGCCGAGCAAGCCACCTCCAGCTGGGGAGACGGTGACAGG
CGGCTTCGGGGCAAAGAAGCGAAAAGGTTCTTCATCCAGGCCCCAGCGTCCAAGAAGTTGAATAAAGAGGAGCT
TCCTGTAATCCCCGAAGGGGAAGCCCAAATCGGGGCGAGTGTGGAAGGACCGCTCCAAGAAAAGATTCTCCAGAT
GCTTCAGGACAAGCCCCCTGCGCACATCGTGGCAGCGGAAGATGAAGGAACGACAGGAGAGGAAGCTGGCCAAGGA
CTTTGCCCCGTCACCTGGAGGAGGAGAAGGAGAGGGCGCCGCCAGGAGAAGAAACAGCGCCGGGCTGAGAACCTGAA
ACGCCGCCTGGAGAATGAGCGGAAGGCAGAGGTCTGTCGAAGTGATCCGAAACCCCGCCAAGCTCAAGCGGGCAAA
GAAGAAGCAGCTGCGCTCCATTGAGAAGCGGGACACCCCTGGCCCTGCTGCAGAAGCAGCCGCCCCAGCAGCCGGC
AGCCAAGATCTGAGCTCAGGACGGCCCCGAGGCCTTCCATGGCCAACGACCATGTCAGACACAGCACCTCAGGCCG
CTGCTCAGATGCCTCTGCTGGAGCTGGCACTCCAAACCCATGGCTCCAGAACGGGGACCCCCACCCGACCGGGG
CTCCTCGGCCTTTGAAGGCTTCCAGGCAGGTCTGTGTGGGACAGAAGCCCAGAGGGGGCCTGGGACCTGGCAGAG
ATGGGGGCGGGAAGAGATTTCAGCTCCCATCCCTCCTTCTCCTTCTCCAAGTGCCTTCAAACCAAGAACTGTA
CATTCTTCTGGTTCTCAGTGAGCTGGTGACTGGCAGGTGACTCCCTCAGCAGTGTATGCCCTTTCTCAGCATCC
TAGGTCCATCCCAGGCCTGGAGGCTGACAGTTGGGAATCCAGCTTCCCCCACACCTTCCCAAAGGCTGCTCTGAG
CACCTCCACACCCCACTGCCTCTGTCCCCAGCAAAGTGAATCCGGTTCCCTCTCCACTTTTCAATACTGAAAGATT
AAAATGGGGAGGTTGCAGGGAGCAGAGCTTTCCCTAGCACCCACTTTCCCAAACCAAGTCTCTGCAGAAGCCCCA
GAGAATCTAACTCATGCCTGTCCAGTCTACAGCAAAAATATTTATTGAGTGCCTGTTGCATACAGGCACAATCCT
AGGCACCGGCAAATACAGACAATAGACCAAAGTCCCTGCCCTCGAGGAGCTTTCATTCTGATGGAGAGAAAACAT
AATAACAAGCAAAATGCAAAAAAAAAAAAAAAAAA

3490/6881
FIGURE 3219

MDTPLRRSRRLGGLRPESPELTSVSRTRRALVEFESNPEETREPGSPPSVQRAGLGSPERPPKTSPGSPRLQQG
AGLESPQGQPEPGAASPQRQDLHLESPQRQPEYSPESPRCQPKPSEEAPKCSQDQGVLAELAQNKEELTPGAP
QHQLPPVPGSPEPYPGQQAPGPEFSQPLLELTTPRAPGSPRGQHEPSKPPPAGETVTGGFGAKKRKGSSSQAPASK
KLNKEELPVIPKGKPKSGRVWKDRSKKRFSQLQDKPLRTSWQRKMKERQERKLAKDFARHLEEEKERRRQEKKQ
RRAENLKRRLENERKAEVVQVIRNPAKLKRAKKKQLRSIEKRDTLALLQKQPPQQAANKI

3491/6881
FIGURE 3220

AATTCGGCACGAGGAGGTGCTGAAGGCTGTGGCGCGCGGCTGTCCCCATTCCCACGTGAAGCGCTACGCTAGCAT
CGCTCGGCTGGCGGCTCCCAGCTCGCCGCGGAGCAGTCCCGGCAGCAGCGGGGGACCGGAAGTGGCTCGCGGAGG
CTCAGAAAGCTAGTCCCGGAGCCCCGGCGTGTGGCGCCTCGGAGCACGGTGACGGCGCCATGTCCCTAATCTGCTCC
ATCTCTAACGAAGTGCCGGAGCACCCATGTGTATCCCCTGTCTCTAATCATGTTTATGAGCGGCGGCTCATCGAG
AAGTACATTGCGGAGAATGGTACCGACCCCATCAACAACCAGCCTCTCTCCGAGGAGCAGCTCATCGACATCAAA
GTTGCTCACCCAATCCGGCCCCAAGCCTCCCTCAGCCACCAGCATCCCGGCCATTCTGAAAGCTTTGCAGGATGAG
TGGGATGCAGTCATGCTGCACAGCTTCACTCTGCGCCAGCAGCTGCAGACAACCCGCCAAGAGCTGTCACACGCT
CTGTACCAGCACGATGCCGCCTGCCGTGTCAATTGCCCGTCTCACCAAGGAAGTCACTGCTGCCCGAGAAGCTCTG
GCTACCCCTGAAACCACAGGCTGGCCTCATTGTGCCCCAGGCTGTGCCAAGTCCCAACCAAGTGTGTGGGTGCG
GGTGAGCCAATGGATTTGGGTGAGCTGGTGGGAATGACCCAGAGATTATTCAGAAGCTTCAAGACAAAGCCACT
GTGCTAACCACGGAGCGCAAGAAGAGAGGGAAGACTGTGCCTGAGGAGCTGGTGAAGCCAGAAGAGCTCAGCAAA
TACCGGCAGGTGGCATCCCACGTGGGGTTGCACAGTGCCAGCATTCCTGGGATCCTGGCCCTGGACCTCTGCCCG
TCCGACACCAACAAGATCCTCACTGGTGGGGCGGATAAAAATGTCGTTGTGTTTGACAAAAGTTCTGAACAAATC
CTGGCTACCCCTCAAAGGCCATACCAAGAAGGTCAACAGCGTGGTGTTCACCCCTCCAGGACCTGGTGTTCCT
GCTTCCCCCGATGCCACTATCAGGATTGGTTCGGTCCCCAATGCCTCTTGTGTACAGGTGGTTCGGGCCCCATGAG
AGTGCTGTGACAGGCCTCAGCCTTCATGCCACTGGCGACTATCTCCTGAGCTCCTCCGATGATCAGTACTGGGCT
TTCTCTGACATCCAGACAGGGCGTGTGCTCACCAAGGTGACAGATGAGACCTCCGGCTGCTCTCTCACCTGTGCA
CAGTTCCACCCCTGACGGACTCATCTTTGGAACAGGAACCATGGACTCTCAGATCAAGATCTGGGACTTGAAGGAA
CGTACTAATGTGGCCAACCTCCCTGGCCACTCGGGCCCCATCACTAGCATCGCCTTCTCTGAGAATGGTTACTAC
CTGGCTACAGCGGCTGATGACTCCTCTGTCAAGCTCTGGGATCTGCGCAAGCTTAAGAAGTTTAAAGACTTTGCA
CTGGATAACAACCTTTGAGGTAAAGTCACTGATCTTTGACCAGAGTGGTACCTACCTGGCTCTTGGGGGCACGGAT
GTCCAGATCTACATCTGCAACAATGGACGGAGATTCTTCACTTTACAGAGCACAGTGGCCTGACCACAGGGGTG
GCCTTCGGGCATCACGCCAAGTTCAATCGCTTCAACAGGCATGGACAGAAGCCTCAAGTTCTACAGCCTGTAGGCC
CTGGCCCTTCTGATGGAAGCTGGGCCTCATCTCAGTAGAGGGGTAGAATTAGGGTTTGGGGGGGGGGTGGGGGGA
ATCTATGGGGGGAGGGGGCTCTGTGGGGTGGGACATTACATCATTTCACTCTGGTCTGAGTGGTGGCCTGAGAA
CCATGGTGGCATGGACCACCCTCATCCATGCAACTCCAGGCCCCATGGGAACGGATGTGGAAGGAAGAACTGTCA
CCCTCTTAAGGCCAGGGTCGGAGCCCAGGGCCTCTCCCTTCCGTTCATGGACGTGGTGGTGGCTGTTC
ACACCCATTTTGTGAGTTTCTGTGAGACAGGAGAGGCTGAGCCAAGGGAAGTGTGAAGGGGATGGGCAGGAGG
GCTTGTGCAGGGTTTTGTAAGCAGTGATCTAGTTTCATTAAAAAAGAAAACAATAACCATAACCAC

3492/6881
FIGURE 3221

MSLICSIISNEVPEHPCVSPVSNHVYERRLIEKYIAENGTDPINNQPLSEEQLIDIKVAHPIRPKPPSATSIPAIL
KALQDEWDAVMLHSFTLRQQLQTTTRQELSHALYQHDAACRVIAARLTKEVTAAREALATLKPQAGLIVPQAVPSSQ
PSVVGAGEPMDLGELVGMTPEIIQKLQDKATVLTTERKKRGKTVPEELVKPEELSKYRQVASHVGLHSASIPGIL
ALDLCPSDTNKILTGGADKNVVVFDKSSEQILATLKGHTKKVTSVVFHPSQDLVFSASPDATIRIWSVPNASCVO
VVRAHESAVTGLSLHATGDYLLSSDDQYWAFSDIQTGRVLTKVTDETSGCSLTCAQFHPDGLIFGTGTMDSQIK
IWDLKERTNVANFPGHSGPITSIAFSENGYYLATAADDSSVKLWDLRKLKNFKTLQLDNNFEVKSILFDQSGTYL
ALGGTDVQIYICKQWTEILHFTEHSGLTGVAFGHHAKFIASGMDRSLKFYSL

3493/6881
FIGURE 3222

ATTGTCTGGGAATTGCAGCCGCGGGGCGGGCGGGCGGGCGGGCGGGCGGGCGGGGACCCAGCGGGCCAGGTGGG
GACGGCGCGGAGCGGGGTGCGGGGAGATGCCGTGCGGGACTGGGGCCACCTGAGCCGCCCCGCTCGTCCCCGCCTTC
TGTGGGAAGGATGTGCGCGCGGATGGCCGGTCGCACAACAGCGGGCCCCCTCGGGGGCCCCACGGCCCCCTGGCTCTG
CCTCTGGTGGCCCTCGCCCTGGACGTCTGAGAGTGGACTGTGGCCAGGCTCCCCCTGGACCCTGTCTACCTGCA
TGTGACAGCCGCCCCGCCCCAGCCCCAGCCACACTCTGGACTGCCAAGCTGGACCGCTTCAAGGGCTCCAGGCACCA
CACCACCCTCATCACCTGCCACCGTGTGGGCTCACAGAGCCAGATTCCAGCAGTCCCCCTTGAAGTGTCTGAGTT
CCTATGGGTGGACTTTGTGGTGGAGAATAGCACTGGTGGGGGCGTAGCGGTCACTCGCCCCGTACGTGGCAGCT
GGAGTACCCAGGCCAGGCCCCCTGAAGCAGAGAAGGACAAAATGGTGTGGGAAATCCTGGTGTCTGAGCGGGACAT
CAGAGCCCTTATCCCACTGGCCAAGGCTGAGGAGCTGGTGAATACAGCACCCTGACTGGAGTGCCCCAGCATGT
CCCCGTGCGCCTTGTCACTGTGGACGGCGGGGGGGCCTTGGTGGAGGTGACAGAGCATGTCGGCTGCGAGTCTGC
CAACACACAGGTCTGTCAGGTGTCTGAGGCCTGTGATGCCGTGTTTCGTGGCTGGCAAGGAGAGCCGGGGCGCCCCG
GGGGGTGCGAGTGGACTTCTGGTGGCGCCGGCTCCGCGCCTCGCTGCGGCTGACCGTGTGGGCCCCCTGCTACC
GCTGCGTATCGAGCTCACCGACACCACCTCGAGCAGGTCCGCGGCTGGAGGGTACCTGGCCCTGCTGAAGGGCC
TGCGGAACCCGCTGCAGAGGCGTCGGATGAGGCCGAGCGGCGCGCCCGTGGCTGCCACCTGCAGTACCAGCGGGC
CGGTGTGCGCTTCCCTCGCCCCCTTCGCGGCCACCCGCTGGACGGCGGCGCCGCTCACGCACCTGCTTGGCCC
CGACTGGCTGCTAGACGTGTCCACCTCGTGGCGCCACACGCCGCGTGTGGACTCGCGTGTAGCCTCTCTGGA
GGGTGGCCGTGTGCTGGTGGGCCGGGAGCCCGGTGTACCTCCATTGAGGTGCGTTCCCCACTGTCTGACTCCAT
CCTGGGGGAGCAGGCGCTGGCTGTGACGGACGACAAGGTCTCAGTGTGGAGCTGAGGGTGCAGCCAGTGATGGG
CATCTCGCTGACCTTGAGCCGGGGCACTGCCACCCCGGGGAGGTACAGCTACGTGCTGGGCACAGTCAGCCCT
TCCCGCCCCAAAGCAGGAGGTGGCCCTCTCCCTATGGCTGTCTTCTCTGATCACACTGTGGCCCCAGCTGAGCT
CTACGACCGCCGTGACCTGGGACTGTCCGTCTCAGCCGAGGAGCCTGGTGCCATCCTGCCAGCTGAGGAGCAGGG
TGCCCAGCTCGGGGTGGTGGTGAAGTGGGGCAGGCGCCGAGGGGCTGCCGCTGCATGTGGCTCTGCACCCGCCCGA
GCCCTGCCGCGGGGGCCGCCACCGTGTGCCCTCTGGCCTCTGGCACCGCCTGGCTGGGGCTGCCCCCTGCCTCCAC
TCCAGCCCCGTCTCTCCATCCAGCCCTGCTTGGAGCCACCAGCCACAGAAGCCACCATGGGTGGTAAACGGCA
GGTGGCAGGCAGTGTGCGGGGCAACACAGGTGTGAGGGGCAAGTTTGAGCGGGCAGAGGAGGAGGCCAGGAAGGA
GGAGACCGAAGCCAGGGAGGAGGAGGAGGAAGAGGAGGAGGAGATGGTCCCTGCCCCCTCAGCATGTCACTGAGCT
AGAGCTGGGCAGTACGCCCTGCTGGGAGTCTTCTGCGTGGCCATCTTCATCTTCTTGGTCAATGGTGTGGTCTT
CGTCTGCGCTATCAGCGCAAAGAACCCTCCCGACAGTGCCACTGACCCACCTCCCCCAGCCCCACAACCTGGGT
CTGGCTGGGCACTGACCAGGAGGAACTGAGCCGCCAGCTGGACCGGCAGTCCCCCTGGCCCCGCCAAGGGGGAGGG
GAGCTGCCCCCTGTGAGAGTGGGGGAGGAGGGGAGGCCCTACCCTGGCCCCCTGGCCCCCTCTGGGGGCACCACCAG
CTCCTCAAGCACCCCTGGCCCCGAAAGGAGGCTGGGGGGCGGCGGAAGCGAGTAGAGTTTGTGACATTTGCGCCAGC
CCCTCCAGCCCAGTCACCTGAGGAGCCTGTAGGGGCCCTGCTGTGAGTCCATCCTTGTGGCAGGCGAGGAGGA
CATCCGCTGGGTGTGTGAGGACATGGGGCTGAAGGACCCTGAGGAGCTTCGCAACTACATGGAGAGGATCCGGGG
CAGCTCCTGACCCTCCACAGCCACCTGGTCAGCCACCAGCTGGGGCAACGAGGGTGGAGGTCCCACTGAGCCTCT
CGCCTGCCCCCGCCACTCGTCTGGTGTGTTGATCCAAGTCCCCTGCCTGGTCCCCCACAAGGACTCCCATCCA
GGCCCCCTCTGCCCTGCCCTTGTGATGGACCATGGTCTGAGGAAGGGCTCATGCCCTTATTTATGGGAACCA
TTTCATTCTAACAGAATAAACCGAGAAGGAAACCG

3494/6881
FIGURE 3223A

CAGCGGCAGTGGAGTTCGCTGCGCGCTGTTGGGGGCCACCTGTCTTTTCGCTTGTGTCCCTCTTTCTAGTGTGCG
GCTCGAGTCCCGACGGGCGCTCCAAGCCTCGACATGTCGTACAACCTACGTGGTAACGGGCCAGAAAGCCCACCGC
CGTGAACGGCTGCGTGACCGGACACTTTACTTCGGCCGAAGACTTAAACCTGTTGATTGCCAAAAACACGAGATT
AGAGATCTATGTGGTCACCGCCGAGGGGCTTCGGCCCCGTCAAAGAGGTGGGCATGTATGGGAAGATTGCGGTCAT
GGAGCTTTTCAGGCCCAAGGGGGAGAGCAAGGACCTGCTGTTTATCTTGACAGCGAAGTACAATGCCTGCATCCT
GGAGTATAAACAGAGTGGCGAGAGCATTGACATCATTACGCGAGCCCATGGCAATGTCCAGGACCGCATTGGCCG
CCCCCTCAGAGACCGGCATTATTGGCATCATTGACCCTGAGTGCCGGATGATTGGCCTGCGTCTCTATGATGGCCT
TTTCAAGGTTATTCCACTAGATCGCGATAATAAAGAACTCAAGGCCTTCAACATCCGCCTGGAGGAGCTGCATGT
CATTGATGTCAAGTTCCTATATGGTTGCCAAGCACCTACTATTTGCTTTGTCTACCAGGACCCCTCAGGGGCGGCA
CGTAAAAACCTATGAGGTGTCTCTCCGAGAAAAGGAATTCAATAAGGGCCCTTGGAACAGGAAAATGTGAAGC
TGAAGCTTCCATGGTGATCGCAGTCCCAGAGCCCTTTGGGGGGGCCATCATCATTGGACAGGAGTCAATCACCTA
TCACAATGGTGACAAATACCTGGCTATTGCCCTCCTATCATCAAGCAAAGCACGATTGTGTGCCACAATCGAGT
GGACCCTAATGGCTCAAGATACCTGCTGGGAGACATGGAAGGCCGGCTCTTCATGCTGCTTTTGGAGAAGGAGGA
ACAGATGGATGGCACCGTCACTCTCAAGGATCTCCGTGTAGAACTCCTTGAGAGACCTCTATTGCTGAGTGCTT
GACATACCTTGATAATGGTGTGTGTGTGTGTCGGGTCTCGCCTGGGTGACTCCAGCTTGTGAAGCTCAACGTTGA
CAGTAATGAACAAGGCTCCTATGTAGTGGCCATGGAAACCTTTACCAACTTAGGACCCATTGTGATATGTGCGT
GGTGGACCTGGAGAGGCAGGGGCAGGGGCAGCTGGTCACTTGCTCTGGGGCTTTCAAGGAAGGTTCTTTGCGGAT
CATCCGGAATGGAATTGGAATCCACGAGCATGCCAGCATTGACTTACCAGGCATCAAAGGATTATGGCCACTGCG
GTCTGACCCTAATCGTGAGACTGATGACACTTTGGTGCTCTCTTTTGTGGGCCAGACAAGAGTTCTCATGTTAAA
TGGAGAGGAGGTAGAAGAAACCGAACTGATGGGTTTCGTGGATGATCAGCAGACTTTCTTCTGTGGCAACGTGGC
TCATCAGCAGCTTATCCAGATCACTTCAGCATCGGTGAGGTGGTCTCTCAAGAACCCAAAGCTCTGGTCAGTGAA
TGGAAGGAGCCTCAGGCCAAGAACATCAGTGTGGCCTCCTGCAATAGCAGCCAGGTGGTGGTGGCTGTAGGCAGG
GCCCTCTACTATCTGCAGATCCATCCTCAGGAGCTCCGGCAGATCAGCCACACAGAGATGGAACATGAAGTGGCT
TGCTTGGACATCACCCATTAGGAGACAGCAATGGACTGTCCCTCTTTGTGCCATTGGCCTCTGGACGGACATC
TCGGCTCGTATCTTGAAGTTGCCCTCTTTTGAAGTACTGCACAAGGAGATGCTGGGTGGAGAGATCATTCTCGC
TCCATCCTGATGACCACCTTTGAGAGTAGCCATTACCTCCTTTGTGCCCTGGGAGATGGAGCGCTTTTCTACTTT
GGGCTCAACATTGAGACAGGTCTGTTGAGCGACCGTAAGAAGGTGACTTTGGGCACCCAGCCACCGTATTGAGG
ACTTTTTCGTTCTCTTTTACCACCAACGTCTTTGCTTGTCTGACCGCCCCACTGTCTATCTATAGCAGCAACCAC
AAATTGGTCTTCTCAAATGTCAACCTCAAGGAAGTGAATACATGTGTCCCTCAATTCAGATGGCTATCCTGAC
AGCCTGGCGCTGGCCAACAATAGCACCCCTCACCATTGGCACCATCGATGAGATCCAGAAGCTGCACATTGCGACA
GTTCCCTCTATGAGTCTCCAAGGAAGATCTGCTACCAGGAAGTGTCCAGTGTTTCGGGGTCTCTCCAGCCGC
ATTGAAGTCCAAGACACGAGTGGGGGCACGACAGCCTTGAGGCCAGCGCTAGCACCCAGGCTCTGTCCAGCAGT
GTAAGCTCCAGCAAGCTGTTCTCCAGCAGCACTGCTCCTCATGAGACCTCCTTTGGAGAAGAGGTGGAGGTGCAC
AACCTACTTATCATTGACCAACACACCTTTGAAGTGCTTCATGCCACCAGTTTCTGCAGAATGAATATGCCCTC
AGTCTGGTTTCTGCAAGCTGGGCAAAGACCCCAACACTTACTTCATTGTGGGCACAGCAATGGTGTATCCTGAA
GAGGCAGAGCCCAAGCAGGGTCGCATTGTGGTCTTTCAGTATTCGGATGGAAAACCTACAGACTGTGGCTGAAAAG
GAAGTGAAAGGGGCCGTGTACTCTATGGTGGAATTTAACGGGAAGCTGTTAGCCAGCATCAATAGCACGGTGGCG
CTCTATGAGTGGACAACAGAGAAGGAGCTGCGCACTGAGTGCAACCACTACAACAACATCATGGCCCTCTACCTG
AAGACCAAGGGCGACTTCATCCTGGTGGGCGACCTTATGCGCTCAGTGCTGCTGCTTGCTTACAAGCCCATGGAA
GGAACTTTGAAGAGATTGCTCGAGACTTTAATCCCAACTGGATGAGTGCTGTGGAAATCTTGATGATGACAAAT
TTTCTGGGGGCTGAAAATGCCTTTAACTTGTTTGTGTGTCAAAAGGATAGCGCTGCCACCACTGACGAGGAGCGG
CAGCACCTCCAGGAGGTTGGTCTTTTCCACCTGGGCGAGTTTGTCAATGTCTTTTGCCACGGCTCTCTGGTAATG
CAGAATCTGGGTGAGACTTCCACCCCAACACAAGGCTCGGTGCTCTTCGGCACGGTCAACGGCATGATAGGGCTG
GTGACCTCACTGTGAGAGAGCTGGTACAACCTCCTGCTGGACATGCAGAATCGACTCAATAAAGTCATCAAAAGT
GTGGGGAAGATCGAGCACTCCTTCTGGAGATCCTTTCACACCGAGCGGAAGACAGAACCAGCCACAGGTTTCATC
GACGGTGACTTGATTGAGAGTTTCTGGATATTAGCCGCCCAAGATGCAGGAGGTGGTGGCAAACCTACAGTAT
GACGATGGCAGCGGTATGAAGCGAGAGGCCACTGCAGACGACCTCATCAAGGTTGTGGAGGAGCTAACTCGGATC
CATTAGCCAAGGGCAGGGGGCCCTTTGCTGACCTCCCCAAAGGCTTTGCCCTGCTGCCCTCCCCCTCCTCTCC

3495/6881

FIGURE 3223B

ACCATCGTCTTCTTGGCCATGGGAGGCCTTTCCTAAGCCAGCTGCCCCCAGAGCCACAGTTCCCCTATGTGGAA
GTGGGGCGGGCTTCATAGAGACTTGGGAATGAGCTGAAGGTGAAACATTTTCTCCCTGGATTTTTACCAGTCTCA
CATGATTCCAGCCATCACCTTAGACCACCAAGCCTTGATTGGTGTTGCCAGTTGTCCTCCTTCCGGGGAAGGATT
TTGCAGTTCTTTGGCTGAAAGGAAGCTGTGCGTGTGTGTGTGTGTATGTGTGTGTGTGTATGTGTATCTCACACT
CATGCATTGTCTCTTTTTATTTAGATTGGCAGTGTAGGGAGTTGTGGGTAGTGGGGAAGAGGGTTAGGAGGGTT
TCATTGTCTGTGAAGTGAGACCTTCCTTTTACTTTTCTTCTATTGCCTCTGAGAGCATCAGGCCTAGAGGCCTGA
CTGCCAAGCCATGGGTAGCCTGGGTGTAAACCTGGAGATGGTGGATGATCCCCACGCCACAGCCCTTTTGTCTC
TGCAAACCTGCCTTCTTCGGAAGAAGAAGGTGGGAGGATGTGAATTGTTAGTTTCTGAGTTTTACCAAATAAAGT
AGAATATAAGAAG

3496/6881
FIGURE 3224

GCCTGCAACGTGTCTCTGGGGCGGAGGCAGCGGCAGTGGAGTTCGCTGCGCGCTGTTGGGGGCCACCTGTCTTTT
CGCTTGTGTCCCTCTTTCTAGTGTGCGCGCTCGAGTCCCGACGGGCGCTCCAAGCCTCGACATGTCGTACAACCTA
CGTGGTAACGGCCCAGAAGCCCACCGCCGTGAACGGCTGCGTGACCGGACACTTTACTTCGGCCGAAGACTTAAA
CCTGTTGATTGCCAAAAACACGAGATTAGAGATCTATGTGGTCACCGCCGAGGGGCTTCGGCCCCGTCAAAGAGGT
GGGCATGTATGGGAAGATTGCGGTCATGGAGCTTTTCAGGCCCAAGGGGGAGAGCAAGGACCTGCTGTTTATCTT
GACAGCGAAGTACAATGCCTGCATCCTGGAGTATAAACAGAGTGGCGAGAGCATTGACATCATTACGCGAGCCCA
TGGCAATGTCCAGGACCGCATTGGCCGCCCTCATAGACCGGCATTATTGGCATCATTGACCCCTGAGTGCCGGAT
GATTGGCCTGCGTCTCTATGATGGCCTTTTCAAGGTTATTCCACTAGATCGCGATAATAAAGAACTCAAGGCCTT
CAACATCCGCCTGGAGGAGCTGCATGTCATTGATGTCAAGTTCCTATATGGTTGCCAAGCACCTACTATTTGCTT
TGTCTACCAGG

3497/6881
FIGURE 3225

AGCAGCTCAGTGCAACGGTGTGAACTCAGCCTGTTTCAGAGCCTCCACACCAATGACCTCCAAGAAGCTGGTGAAC
TCGGTGGCTGGCTGTGCTGATGACGCTCTTGCTGGCCTGGTGGCCTGCAACCCCAACCTGCAGCTCCTGCAGGGC
CACCGCGTGGCCCTCCGTTCTGACCTGGACAGCCTCAAGGGCCGGGTGGCACTGCTGTGCGGGTGGGGGCTCTGGC
CATGAGCCTGCCCATGCTGGTTTCATAGGGAAGGGGATGCTGACTGGGGTCATCGCGGGAGCTGTGTTCACCTCC
CCGGCAGTGGGCAGCATCCTGGCAGCCATCAGGGCCGTGGCCCAGGCCGGCAGTGGGGACGCTCCTTATCGTG
AAGAACTACACTGGGGATCGGCTCAACTTCGGCCTGGCCCAGGAGCAGGCCGGGCTGAAGGCATCCCGGTGGAG
ATGGTGGTGATTGGGGACGACAGCGCCTTCACTGTCTGAAAGAAGGCAGGCCGGCGGGGGCTGTGCGGCACGGTG
CTTATACACAAGGTGGCAGGTGCTCTGGCTGAGGCTGGTGTGGGGCTGGAGGAGATCGCAAAGCAGGTGAACGTG
GTCGCCAAGGCCATGGGTACCTGGGGGTGAGCTTATCCTCCTGCAGCGTCCCTGGTTCCAAACCCACCTTCGAG
CTCTCAGCCGACGAGGTGGAGCTGGGCCTGGGGATCCACGGGGAAGCTGGTGTGCGCCGGATAAAGATGGCAACC
GCCGATGAGATTGTGAACTCATGCTCGACCACATGACAAACACCACCAACGCGTCCCATGTGCCTGTGCAGCCC
GGCTCCTCAGTTGTGATGATGGTCAACAACCTGGGTGGCCTGTCAATCCTGGAACCTGGGCATCATAGCCGACGCT
ACCGTCCGCTCCCTGGAGGGCCGCGGGGTGAAGATTGCCCGTGCCCTGGTGGGCACCTTCATGTGAGCACTGGAG
ATGCCTGGCATTCTCTCACCTCCTGCTGGTGGATGAGCCTCTCCTGAAACTGATAGATGCTGAAACCACTGCA
GCAGCCTGGCCTAACGTGGCTGCAGTCTCCATTACTGGGCGGAAGCGGAGCCGGGTAGCCCTGCCGAGCCCCAG
GAGGCCCTGATTCCACTGCTGCAGGAGGCTCAGCCTCGAAGCGGATGGCGCTGGTGTGGAACGGGTGTGCAGC
ACTCTCCTGGGCCTGGAGGAACACCTGAATGCCCTGGACCGGGCTGCTGGTGACGGCGACTGTGGCACCACCCAC
AGCCGTGCGGCCAGAGCAATCCAGGAGTGGCTGAAGGAGGGCCACCCCTGCCAGCCCTGCCAGCTGCTCTCC
AAGTTGTCTGTCTCTGCTCCTGGAGAAGATGGGAGGCTCATCTGGGGCGCTCTATGGCCTGTTCTGACTGCGGCT
GCACAGCCCCTGAAGGCCAAGACCAGCCTCCCAGCCTGGTCTGCTGCCATGGATGCCGGCCTGGAAGCCATGCAG
AAGTATGGCAAGGCTGCTCCAGGGGACAGGACTATGCTGGATTCTCTGTGGGCAGCGGGGAGGAGCTCCAAGCC
TGGAAGAGCCCAGGAGCTGATCTGTTACAAGTCTGACCAAAGCAGTCAAGAGTGCCGAAGCTGCAGCCGAGGCC
ACCAAGAATATGGAAGCTGGAGCCGGAAGAGCCAGTTATATCAGCTCAGCACGGCTGGAGCAGCCAGACCCCGGG
GCGGTGGCAGCTGCTGCCATCCTCCGGGCCATCTTGAGGTCTTGCAAGCTAGGGTGTGTGACTGCCTCCCTTG
GCCTCAGCTCCTCTCACTGCTGTGCTGAGGTGGCCTTTGTCACTTCCTTCTGCCTTCCAACCCTCACCTTCCCCC
GGCCTGGCCCCATTGGCCCCACCTCTAAGTTGAGCAGGAAATCCTCCACCAAGCTTCCAGAACTACAGACAGCAC
CCAGAGTGAGCTGGAGTGGGTCCCCATGCCTCTCCAGCATGCCCTTTCCCTTTGCAGGAGGGTGGAGTCCCTGGG
TCATGCCCTCCCCTGCCAGCTCTGGGCTTCAGAGATAAGGCATTTTCCTTGTGCAGCCTTTACCTGGCAATCCTA
ATTTGGTTTTTAAGACTCCCTGTGAAATGCTTTCCGCACCTTAACCCAGTGAGCGTGAAAAAGAAAGTTAATAAA
CTATAATACATGGAAGCAAGAAAAAAAAAAAAAAAAA

3498/6881
FIGURE 3226

MTSKKLVNSVAGCADDALAGLVACNPNLQLLQGHRVALRSDLSLKGRVALLSGGGSGHEPAHAGFIGKMLTGV
IAGAVFTSPAVGSILAAIRAVAQAGTVGTLLIVKNYTGDRLNFGlareQARAEGIPVEMVIGDDSAFTVLKKAG
RRGLCGTVLIHKVAGALAEAGVGLEEIAKQVNVVAKAMGTLGVSLSSCSVPGSKPTFELSADLEVELGLGIHGEAG
VRRIKMATADEIVKLMLDHMTNTTNASHVPVQPGSSVMMVNNLGGLSFLELGIIADATVRSLEGRGVKARALV
GTFMSALEMPGISLTLLLVDEPLLKLIDAETTAAPNVAASITGRKRSRVAPAEFQEAPDSTAAGGSASKRMA
LVLERVCSTLLGLEEHLNALDRAAGDGDGCTTHSRAARAIQEWLKEGPPPASPAQLLSKLSVLLLEKMGSSGAL
YGLFLTAAQPLKAKTSLPAWSAAMDAGLEAMQKYGKAAPGDRTMLDSLWAAGQELQAWKSPGADLLQVLTCAVK
SAEAAAEATKNMEAGAGRASYISSARLEQPDPGAVAAAAAILRAILEVLQS

3499/6881
FIGURE 3227

AGTCTGGCCGCCATGTTGGAGCTTTTCGCTGTTTCGGGGCCCGGCCTGCTCCGGGGCCCTCCCAGCGTCGCCGCTAGC
TGACTTAGGGCTCCCGCCACACTGCGCACGGCCTTGCTGAGGGCCGGCTCGTAGTGGGAGGCTTCGCGTTCACC
TGAACATTTCCGCCTCCTCTGGATGGGGGATGAGAGGCGGGGCTGATGCATCGCAGCAGTCTTGACCCCTGACTT
CGGACTTGAGAGAAGAAACGCCGAGGAGGAACGGGAGTTAGGGGGTTAGCAGCTTGGCGCGCTGGGAGCCGGCCAC
CCCTGGTCTCCGGACTTCACTTCCCAGGAGGCCTCGCGCGCGACTGGAAGTGCTGCGAGCCTATAAGAAGGCGAG
GCGGCACCCGCCGCTCTGCTCTGGGGCGGCATTGCCAGCCGGCTGTAGGCATTTCAGGGCAGTGTCTTCTGCATCT
CCTAGGAACCTCGGGAGCGGCAGCTCCGGCGCCTGGTAGCGAGAGGCGGGTTCCGGAGATCCCGGCCTCACTTCG
TCCCAGTGTGGTTAGGGGTGAGTCTGCAAATGTTAAGTGATTGCTCAAGGTGCCCATTTTCGAGGAATTGGAG
CCCAGGCCAGTTCTCTGAGCCTATCATTAGGGCTAAAGGAGTGCGTGATCAGAATGGTGTCTGGACGGTTCTACT
TGTCTGCTGCTGCTGGGGTCCCTGGGCTCTATGTGCATCCTCTTCACTATCTACTGGATGCAGTACTGGCGTG
GTGGCTTTGCCCTGGAATGGCAGCATCTACATGTTCAACTGGCAGCCAGTGCTTATGGTTGCTGGCATGGTGGTAT
TCTATGGAGGTGCGTCACTGGTGTACCGCCTGCCCCAGTGGTGGGTGGGGCCAACTGCCCTGGAACTCCTCC
ATGCAGCGCTGCACCTGATGGCCTTCGTCTCACTGTTGTGGGGCTGGTTGCTGTCTTTACGTTTCACAACCATG
GAAGGACTGCCAACCTCTACTCGCTTCACAGCTGGCTGGGCATCACCAGTGTCTTCTCTTCGCTGCCAGTGGT
TCTGGGCTTTGCTGTCTTCTCTGCTCCATCGCATCCGTCAATTCGGGCATTAATGAGAAGCTTTTCTTCAGTT
TGAAAAACACCACCAGGCCATACCACAGCCTGCCCAGTGAGGCGGTCTTTGCCAACAGCACCGGGATGCTGGTGG
TGGCCTTTGGGCTGCTGGTGTCTACATCCTTCTGGCTTCATCTTGGAAGCGCCAGAGCCGGGGATCCTGACCG
ACAGACAGCTGCTGCTACAGCTGAGGCCTGGATCCCGGCCTTTCCCTGTGACTTACGTGTCTGTCACCGGCAGGC
AGCCCTACAAATCCTGGTGACCTGCTCTCCAAGAACAGAGCCTGTCCCCAGATGTCCCAGTAGCGATGAGTAAC
AGAGGTGGCTGTGGACTTCCTCTACTTCTCCTTGCTGGATCAGGGCCTTCCTGCCTCCCGCTGGGCAGGTCTGGC
CTTGCTCTCTTGGCAGGGCCCCAGCCCTCTGACCACTCTGCAGCTCACCATGCAGCTGATGCCAAAGTTGTGGT
GTCCAGTGTGCAGCAGCCCTGGGAGCCACTGCCACCTTCAGAGGGGTTCTTGCTGAGACCCACATTGCTTCACC
TGGCCCCACCATGGCTGCTTGCCTGGCCCAACCTAGCGTTCTGTGCCATGCTAGAGCTTGAGCTGTTGCTCTTCT
TCAGGGGAGGAAATAGGGTGG

3500/6881
FIGURE 3228A

AAAGGGCCAGAGGTAGACATTGAAGGTCCTGAAGGGAAGCTCAAAGGTCCCAAGTTTAAGATGCCTGATGTACAT
TTCAAAAGCCCACAAATCTCCATGAGTGACATTGATTTGAATTTGAAAGGACCTAAGATAAAAGGAGATATGGAC
ATTTCCGTTCTCTAAACTGGAGGGAGATCTGAAAGGTCCCAAGTGGATGTCAAAGGCCCTAAAGTGGGCATTGAC
ACTCTGATATTGACATTCATGGTCCAGAAGGGAACTGAAGGGCCCCAAATTTAAATGCCTGACTTACACCTC
AAGGCACCGAAGATCTCTATGCCTGAAGTTGACCTGAATCTGAAAGGTCCAAAGGTGAAGGGCGACATGGACATT
TCTCTGCCCAAAGTGGAAGGCGACCTCAAGGGCCCCGAAGTTGACATCAGGGACCCCAAGTGGACATTGATGTC
CCAGATGTGGACGTTCAAGGCCCAGACTGGCACCTAAAAATGCCCAAAGTGAAAATGCCCAAGTTCAGCATGCCT
GGCTTCAAAGGAGAGGGGCCAGATGTGGATGTGAACCTGCCCAAGGCTGACATTGATGTCTCAGGACCCAAAGTG
GACGTTGATGTTCTGATGTGAATATCGAAGGTCCAGATGCGAACTAAAGGGCCCCAAGTTCAGATGCCTGAG
ATGAGCATCAAAGCCCCAAGATCTCCATGCCTGATATTGACTTAAACCTGAAAGGACCCAAAGTGAAGGGCGAT
GTGGATGTTACCCCTTCTAAAGTGGAAAGGTGACCTCAAGGGCCCAGAAGCTGACATCAAGGGCCCCAAAGTGGAC
ATCAACACCCCTGATGTGGATGTTTCATGGCCCAGACTGGCACCTGAAGATGCCCAAGGTGAAAATGCCCAAATTC
AGCATGCCTGGCTTCAAAGGAGAAGGTCCAGATGTGGATGTGAGCCTGCCCAAGGGCGACATCGATGTCTCGGGA
CCCAAGGTGGACGTTGATATTCCAGATGTGAATATCGAAGGTCCAGACGCAAACTGAAGGGCCCCAAGTTCAG
ATGCCTGAAATAAATATCAAAGCTCCCAAGATCTCCATACCTGATGTTGACCTGGATTTGAAAGGACCCAAAGTA
AAAGGAGATTTTGATGTGTCTGTCCCTAAGGTTGAAGGGACTTTGAAAGGGCCAGAAGTAGATCTTAAAGGTCCA
CGTCTGGATTTTGAAGGCCCTGATGCCAACTCAGTGGCCCATCTTTGAAGATGCCATCGCTGGAGATATCTGCT
CCTAAAGTAAGTCTCTGATGTTGATTTGCATCTCAAGGCACCAAAAATTGGATTTTCAGGTCCGAAGTTAGAA
GGTGGTGAAGTGGACCTCAAGGGACCCAAAGTTGAAGCTCCAAGCTTAGATGTACACATGGACAGCCCAGATATT
AACATCGAAGGGCCAGATGTTAAATCCCCAAATTTAAGAAACCCAAGTTTGGATTTGGGGCAAAAAGCCCCAAA
GCTGACATCAAGTCACCTTCACTGGATGTCACTGTTCTGAGGCAGAGCTGAACCTTGAGACTCCTGAAATTAGT
GTTGGTGGCAAGGGCAAGAAAAGTAAGTTTAAATGCCTAAAATTCATATGAGTGGTCTTAAGATTAAGGCCAAA
AAACAGGGATTTGACCTGAATGTTCTTGGGGGTGAAATTGATGCCAGCCTCAAGGCTCCGGATGTAGATGTCAAC
ATCGCAGGGCCGGATGCTGCACTCAAAGTCGACGTGAAATCGCCCAAAACCAAGAAAACGATGTTTGGAAAAATG
TACTTCCAGATGTAGAGTTTGACATTAAATCACCTAAATTTAAAGCTGAGGGCCCTCTCCCTAGCCCCAACTG
GAGGGTGAAGTCCAGGCACCTGATCTGGAACTTTCTTTGCCAGCGATTACGTCGAAGGTCTTGACATCAAGGCG
AAGGCTCCCAAGGTCAAGATGCCAGATGTGGACATCTCAGTGCCAAAATAGAGGGTGACCTGAAAGGGCCCCAAA
GTGCAGGCAAACTTGGGTGCACCTGACATCAACATCGAAGGCCTAGATGCTAAAGTCAAAACACCGTCTTCCGGC
ATTTCTGCCCCCTCAAGTCTCCATCCCTGATGTGAATGTAACTTGAAAGGACCAAGATAAAGGGTGATGTCCCC
AGCGTGGGACTGGAAGGACCAGATGTAGATCTGCAAGGTCCAGAAGCAAAAATTAAGTTCCCCAAGTTTTCATG
CCCAAGATCGGCATCCCAGGTGTGAAAATGGAGGGTGGGGGAGCCGAGGTCCATGCCAGCTACCTCTCTTGAA
GGAGACTTGAGAGGACCAGATGTTAAGCTCGAAGGGCCCGATGTTTCTCTAAAGGGGCCAGGAGTAGACTTGCTT
TCAGTGAACCTCTCTATGCCAAAAGTCTCTGGGCCCTGACCTTGATCTGAACCTTGAAAGGACCAAGTTTGAAGGGA
GACCTGGATGCATCTGTTCCAGCATGAAGGTGCATGCTCCAGGGCTCAACCTCAGTGGTGTCTGGTGGCAAAATG
CAGGTGGGAGGAGACGGTGTGAAAGTGCCAGGGATCGATGCCACAACAAAGCTTAACGTTGGGGCACCAGATGTG
ACACTGAGGGGACCAAGCCTGCAGGGAGATCTGGCTGTCTCTGGTGACATCAAATGCCCTAAAGTATCCGTAGGA
GCTCCTGATCTAAGCTTGGAGGCATCCGAAGGCAGCATTAACCTTCCCAAAATGAAGCTGCCCAATTTGGCATC
TCTACTCCGGGGTCCGACTTGACAGTCAATGCCAAGGGGCCACAGGTTTCTGGCGAACTGAAGGGGCCAGGTGTG
GATGTGAACCTGAAAGGGCCTCGGATTTTCAAGCACCGAATGTGGACTTTAACTTGAAGGACCAAAAGTGAAAGGG
AGCCTTGGGGCCACTGGTGAGATCAAAGGGCCCCACTGTGCGAGGAGGTCTTCCAGGCATTGGTGTTCAGGCCTA
GAAGGAAACCTCCAGATGCCTGGAATTAAGTCTCTGGATGTGATGTGAACCTGCCAGGCGTGAATGTGAAACTC
CCAAGTGGGCAGATTTCTGGGCCTGAAATCAAAGGTGGTCTGAAAGGTTTCAAGTAGGTTTCCATGGGGCTGCT
CCTGATATCAGTGTGAAGGGGCTGCCTTTAATATGGCATCTCCTGAGTCAGATTTTGGCATCAACTTGAAGGGC
CCAAAATCAAAGGAGGTGCGGATGTTTCAAGGGGTGTGAGTGGCCAGACATCAGCCTTGGTGAAGGGCATTG
AGTGTAAAGGTTCCGGGGGTGAGTGAAGGGACCCCAAGTCTCTCTGCTCTCAACTTGGACACATCTAAGTTT
GCTGGGGGCCTTCATTTCTCAGGACCAAGGTGGAAGGAGGTGTGAAAGGAGGTGAGATTGGACTCCAGGCTCCT
GGGCTGAGTGTGTCTGGGCCTCAAGGTCACTTGGAAAGTGGATCTGGAAGGTAACATTCCCTAAAATGAAGATC
CCCAAATTTACCTTCTCTGGCCGTGAGCTGGTTGGCAGAGAAATGGGGGTGGATGTTCACTTCCCTAAAGCAGAG